

Bursar.

REPORT
OF THE
BOARD OF GOVERNORS
OF THE
UNIVERSITY OF
ALBERTA



Year Ended December 31st, 1924

UNIVERSITY OF ALBERTA

ARCHIVES

Accession No: 71-164-36

Reference No:

To His Honour

The Lieutenant Governor in Council.

Sir:

On behalf of the Board of Governors of the University of Alberta, and in accordance with section 31, subsection 2, of an Act respecting the University of Alberta, the undersigned have the honour to transmit to you, through the Minister of Education, the Report of the University for the year closing December 31st, 1934.

The Report consists of two parts, Part I- the Report of the President on the academic work of the University for the year ending June 30th, 1934, and Part II- the Financial Statement for the year ending December 31st, 1934.

We have the honour to remain your obedient servants,

Chairman

President

To His Honour

The Lieutenant Governor in Council.

Sir:

On behalf of the Board of Governors of the University of Alberta, and in accordance with section 21, subsection 2, of an Act respecting the University of Alberta, the undersigned have the honour to transmit to you, through the Minister of Education, the Report of the University for the year ending December 31st, 1934.

The Report consists of two parts, Part I- the Report of the President on the academic work of the University for the year ending June 30th, 1934, and Part II- the Financial Statement for the year ending December 31st, 1934. We have the honour to remain your obedient servants,

Chairman

President

PART I

.....

THE REPORT OF THE PRESIDENT

.....

To the Board of Governors
of the University of Alberta.

Gentlemen:

In accordance with the requirements of the University Act, section 66, subsection 7. I beg to submit, herewith, a report on the work of the University for the academic year ending, June 30th, 1924, the sixteenth annual report of the University, the fourteenth to your honourable body.

Staff

No changes have taken place in connection with the organization of the faculties during the current year. They stand as stated to you in the report of one year ago.

Professors	33
Associate Professors	12
Assistant Professors	15
Directors of Schools	3
Lecturers	16
Instructors	3
Demonstrators	2
	83

Library-

Librarian	1
Assist. Librarian	2
Sessional help	2
	5

To the Board of Governors
of the University of Alberta

Gentlemen:

In accordance with the requirements of the University
Act, section 80, subsection 7, I beg to submit, herewith, a report
on the work of the University for the academic year ending, June 30th,
1933. The sixteenth annual report of the University, the thirteenth
to your Honourable body.

With

No changes have taken place in connection with the
organization of the faculties during the current year. They
stand as stated to you in the report of one year ago.

23	Professors
15	Associate Professors
15	Assistant Professors
5	Members of Faculties
10	Lecturers
3	Instructionists
2	Demonstrators
63	

Library

1	Librarian
2	Assistant Librarian
2	Seasonal help
5	

Extension Department-

Director	1
Assistant Director	1
Librarian	1
Lecturer	1

Industrial Laboratory-

Director	1
Assistant	1

There were in addition to the above, one professor, three associate professors, eight assistant professors, eleven lecturers, nine instructors and four demonstrators in the Faculty of Medicine who were not on the permanent staff of the University but who received a small honorarium for their services in the various laboratories and hospital departments.

Further, there were two honorary professors of Law who gave instruction without compensation and two sessional lecturers who received a small honorarium for their services.

Under the direction of the Research Council of Alberta there are two professors who devote full time to research work. This work is carried on jointly by the Government of Alberta and the University and for it special funds are provided.

Registration by Faculties

As distributed in the various
faculties and schools, the numbers are as follows:

Total Registration1341

1. Faculty of Arts and Sciences738

B.A. and B.Sc. in Arts.....299

Bachelor of Commerce..... 46

B.Sc. in Household Economics.... 25

B.Sc. in Pharmacy 16

Special students..... 46

Graduate Courses 97

Combined Courses:

Arts & Agric.....5

Arts & Law.....47

Arts & Medicine....48

Arts & App. Sci.....15 115

Summer Session..... 94

2. Faculty of Applied Science.....117

Civil, Mining, Electrical.....93

Special students..... 1

Graduate Courses ...1..... 8

Combined Courses:

Arts & App. Science..... 15

299
115
414

Registration by Faculties

As distributed in the volume

faculties and schools, the numbers are as follows:

Total Registration 1341

I. Faculty of Arts and Sciences 738

B.A. and B.Sc. in Arts.....	225
Bachelor of Commerce.....	42
B.Sc. in Household Management....	35
B.Sc. in Pharmacy.....	15
Special students.....	45
Graduate Courses.....	97

Combined Courses:

Arts & Agric.....	2
Arts & Law.....	27
Arts & Medicine.....	45
Arts & App. Sci.....	118

Summer Session..... 24

II. Faculty of Applied Sciences 117

Civil, Mining, Mechanical.....	33
Special students.....	1
Graduate Courses.....	8
Combined Courses:	

Arts & App. Science..... 15

3. Faculty of Medicine200

Medicine.....115

Dentistry 27

Combined Courses:

Arts and Medicine....47

Arts and Dentistry... 1

48

Arts for Medicine..... 10

4. Faculty of Law 109

Law..... 62

Combined Courses:

Arts and Law..... 47

5. Faculty of Agriculture..... 158

Agriculture 85

Bach. of Household Economics..... 6

Short Course in Dairying..... 53

Graduate Courses..... 9

Combined Courses:

Arts & Agriculture..... 5

6. School of Pharmacy..... 46

B.Sc. in Pharmacy..... 16

Diploma in Pharmacy 30

2. Faculty of Medicine

Medicine

Dentistry

Combined Courses:

Arts and Medicine

Arts and Dentistry

12

Arts for Medicine

10

3. Faculty of Law

Law

Combined Courses:

Arts and Law

12

4. Faculty of Agriculture

Agriculture

Dept. of Household Sciences

Dept. of Science in Agriculture

Graduate Courses

9

Combined Courses:

Arts & Agriculture

8

5. Faculty of Pharmacy

B.Sc. in Pharmacy

Pharm. in Pharmacy

10

7. Correspondence.....	94
8. B.D.	3
9. School of Nursing	17

	Total..	1482
Less duplicate registration in double courses...		<u>141</u>
		1341

7. Correspondence..... 24
 8. B.P. 3
 9. Subject of W. 17

Total..... 1983
 Less duplicate registration in double courses... 141
 1981

Student Registration for the Academic Year

Ending June 30th, 1924

The following classification of the student body under various heads:- academic, social and religious will give some indication of the manifold interests that enter into the University.

Registration by Years

	<u>Men</u>	<u>Women</u>	<u>Total</u>
First Year.....	183	74	257
Second Year	180	67	247
Third Year	173	80	253
Fourth Year	100	50	150
Fifth Year	27	1	28
Graduates	79	36	115
Special	23	24	47
Summer Session.....	52	42	94
Correspondence	35	59	94
B.D.	3	0	3
Short Course in Dairying	53	0	53
	<u>908</u>	<u>433</u>	<u>Total-1341</u>

Student Registration for the Academic Year

During June 30th, 1924

The following classification of the student body under various heads: academic, social and religious will give some indication of the scientific interests that enter into the University.

Registration by Years

	Men	Women	Total
First Year.....	187	74	261
Second Year.....	180	67	247
Third Year.....	173	60	233
Fourth Year.....	160	50	210
Fifth Year.....	37	1	38
Graduates.....	79	66	145
Special.....	28	24	52
Summer Session.....	83	43	126
Correspondence.....	25	50	75
E. H.	3	0	3
Short Course in Delineating.....	23	0	23
Total-1924	908	433	1341

Registration by Subject

Subject	Number of Course	Number of Students	Total
Accountancy	1 52	27 <u>17</u>	44
Agricultural Engineering	1 2 51 52 53	10 12 13 11 <u>9</u>	55
Anatomy	4 244 6 7 8 10 11 12 13 14 21 23 53 54 60	26 25 16 7 11 26 7 25 4 25 7 4 36 37 <u>37</u>	393
Ancient History	51	<u>20</u>	20
Animal Husbandry	1 2 4 10 51 & 64 53 & 65 54 & 66 55 & 67 61 62 63 70	36 34 5 12 15 13 4 6 11 11 11 <u>7</u>	167
Architecture	52	<u>24</u>	24
Bacteriology	1 & 61 2 51	29 30 <u>32</u>	97

Subject	Number of Courses	Number of Students	Total
Accountancy	1 22	27 17	44
Agricultural Engineering	1 2 21 22 22	10 12 12 11 8	53
Art	4 22 2 2 2 10 11 12 12 14 22 22 22 22 22 22	22 22 16 2 11 22 22 4 22 2 4 22 22 22 22	262
Business History	21	21	21
Animal Husbandry	1 2 4 10 21 & 22 22 & 22 22 & 22 21 22 22 22	22 22 2 12 12 12 4 2 11 11 11 7	127
Architecture	22	22	22
Botany	1 & 21 2 21	22 22 22	27

Subject	Number of Course	Number of Students	Total
Bankruptcy		<u>20</u>	20
Biochemistry	1 & 61	55	
	3	18	
	51	<u>35</u>	108
Botany	1	47	
	2	27	
	3	40	
	4	16	
	51	14	
	52	1	
	101	2	
	102	<u>1</u>	148
Chemistry	1	101	
	2	42	
	3	26	
	4	3	
	5	23	
	51	23	
	52	26	
	54	3	
	56	4	
	58	9	
	59	2	
	60	7	
	101	2	
	102	3	
	103	<u>2</u>	281
Civil Engineering	1	9	
	2	7	
	3	11	
	6	13	
	7	11	
	52	3	
	53	3	
	55	14	
	57	10	
	59	3	
	62	3	
	63	3	
	66	3	
	67	8	
	70	6	
	74	3	
	75	<u>3</u>	112

Subject	Number of Pages	Number of Students	Total
Mathematics	108	1	108
Science	101	2	103
History	101	1	101
English	101	1	101
Physical Education	101	1	101
Art	101	1	101
Music	101	1	101
Foreign Languages	101	1	101
Health	101	1	101
Life Science	101	1	101
Earth Science	101	1	101
Space Science	101	1	101
Computer Science	101	1	101
Environmental Science	101	1	101
Humanities	101	1	101
Social Sciences	101	1	101
Business	101	1	101
Law	101	1	101
Medicine	101	1	101
Engineering	101	1	101
Architecture	101	1	101
Design	101	1	101
Writing	101	1	101
Reading	101	1	101
Mathematics	101	1	101
Science	101	1	101
History	101	1	101
English	101	1	101
Physical Education	101	1	101
Art	101	1	101
Music	101	1	101
Foreign Languages	101	1	101
Health	101	1	101
Life Science	101	1	101
Earth Science	101	1	101
Space Science	101	1	101
Computer Science	101	1	101
Environmental Science	101	1	101
Humanities	101	1	101
Social Sciences	101	1	101
Business	101	1	101
Law	101	1	101
Medicine	101	1	101
Engineering	101	1	101
Architecture	101	1	101
Design	101	1	101
Writing	101	1	101
Reading	101	1	101

Subject	Number of Courses	Number of Students	Total
Classics in English	38	<u>38</u>	38
Company Law	39	<u>39</u>	39
Contracts	24	<u>24</u>	24
Criminal Law	28	<u>28</u>	28
Criminal Procedure	37	<u>37</u>	37
Dairying	1 51 52	9 15 <u>5</u>	29
Dentistry	1 2 3	8 4 <u>4</u>	16
Drawing	1 2 3 4 5	1 33 1 14 <u>7</u>	56
Education	51 53	5 <u>22</u>	25
Electrical Engineering	51 53 54 55 76 77 78 79 80 81	5 6 3 4 8 6 9 6 7 <u>6</u>	60

Subject	Number of Covers	Number of Students	Total
Classics in English	33	33	33
Company law	33	33	33
Contracts	34	34	34
Criminal law	33	33	33
Criminal procedure	37	37	37
Devising	1	0	
	31	13	
	33	3	33
Dispository	1	0	
	3	4	
	3	2	13
Domestic	1	1	
	3	13	
	3	1	
	4	14	
	3	7	33
Education	31	0	
	33	33	33
Electrical Engineering	31	3	
	33	3	
	34	3	
	35	4	
	36	0	
	37	0	
	38	0	
	39	0	
	40	7	
	41	0	33

Subject	Number of Courses	Number of Students	Total
English	1	160	
	2	116	
	3	18	
	4	25	
	52	29	
	53	31	
	57	23	
	62	<u>5</u>	407
Entomology	1	19	
	51	3	
	61	<u>7</u>	29
Equity	1	20	
	2	<u>20</u>	40
Evidence	1	20	
	2	<u>20</u>	40
Field Husbandry	1	34	
	4	12	
	50	12	
	51	14	
	54	8	
	61	20	
	62	17	
	101	1	
	121	4	
	130	<u>2</u>	124
French	X	103	
	1 & 3	116	
	5 & 4	69	
	43	17	
	45	29	
	52	35	
	54	16	
	101	1	
	102	<u>1</u>	387

Subject	Number of Courses	Number of Students	Total
Geology	32 33 51 53 54 55 56 58 59 103	7 12 22 4 1 4 5 7 1 <u>1</u>	63
German	1 1 & 3 2 & 4 43 54	68 28 5 2 <u>4</u>	107
Greek	1 2 & 4	11 <u>4</u>	15
Hebrew	52 53	2 <u>1</u>	3
History	1 2 3 53 55 57 58 102	141 34 45 8 30 62 16 <u>4</u>	330
History of Agriculture	1 2 51	37 24 <u>19</u>	80
History of Science		<u>12</u>	12
Horticulture	1 2 51 53	8 10 1 <u>3</u>	22

Subject	Number of Cases	Number of Students	Total
Geology	32 32 31 32 32 32 32 32 32 32 32	7 12 22 4 1 2 2 7 1	32
German	2 1 2 3 2 2 4 43 22	22 22 2 2 4	107
Greek	1 2 2 4	11 4	15
Hebrew	32 32	2 1	3
History	1 2 2 32 32 32 32 32 32 32	121 24 22 2 22 22 22 12 1	322
History of Agriculture	1 2 32	27 24 22	32
History of Science		12	12
Horology	1 2 21 32	2 12 1 1	32

Subject	Number of Course	Number of Students	Total
Household Economics	1	4	
	2	8	
	3	8	
	31	3	
	32	3	
	33	3	
	51	7	
	52	6	
	55	4	
	56	7	
	57	8	
	58	8	
	59	<u>8</u>	77
Hygiene	51	24	37
	53	<u>13</u>	
Latin	A	89	228
	1 & 3	106	
	2 & 4	8	
	36	22	
	57	<u>2</u>	
Legal History	1	27	46
	2	<u>19</u>	
Materia Medica	1	14	51
	3	25	
	4	4	
	51	5	
	52	<u>3</u>	
Mathematics	1 A	26	
	1	142	
	2	26	
	3	24	
	7	17	
	21	34	
	22	44	
	25	9	
	26 & 56	13	
	31	28	
	32	22	
	36	16	
	53a	6	
	55	25	
	57	<u>3</u>	

Subject	Number of Courses	Number of Students	Total
Mathematics (cont'd)	59	4	
	62	15	
	63	3	
	102	3	
	108	<u>2</u>	474
Medical Jurisprudence	51	<u>13</u>	13
Medicine	51	33	
	52	<u>13</u>	46
Metallurgy	51	<u>4</u>	4
Mining Engineering	54	2	
	55	6	
	56	6	
	58	3	
	60	3	
	61	2	
	62	2	
	63	7	
	64	2	
	65	3	
	66	<u>2</u>	39
Ophthalmology	51	<u>13</u>	13
Obstetrics & Gynecology	51	<u>13</u>	13
Partnership & Agency		<u>29</u>	29
Pathology	51	34	
	52	33	
	53	<u>13</u>	80
Pharmacology	51	<u>34</u>	34
Pharmacy	1	14	
	2	14	
	3	36	
	4	14	
	51	5	

Subject	Number of Copies	Number of Volumes	Total
Mathematics (cont.)	88	4	478
	88	25	
	88	8	
	100	8	
	100	1	
Medical Instruments	81	13	13
Medicine	81	88	88
	88	13	
Metallurgy	81	4	4
Mining Engineering	84	8	88
	88	8	
	88	8	
	88	8	
	88	8	
	88	8	
	88	8	
	88	7	
	88	8	
	88	8	
	88	2	
Ophthalmology	81	13	13
Obstetrics & Gynecology	81	13	13
Pathology & Anatomy		88	88
Pathology	81	88	88
	88	88	
	88	13	
Pharmacology	81	88	88
Pharmacy	81	14	81
	81	14	
	81	88	
	81	14	
	81	8	

Subject	Number of Courses	Number of Students	Total
Pharmacy (cont'd)	53	5	98
	54	5	
	55	<u>3</u>	
Philosophy	2	68	109
	51	19	
	53	11	
	108	<u>11</u>	
Physical Education: Men		293	396
Women		<u>103</u>	
Physics	1	161	356
	3	67	
	6	24	
	8	6	
	11	45	
	12	2	
	31	23	
	41	3	
	53	7	
	54	4	
	55	<u>7</u>	
Physiology	1	44	87
	51	34	
	55	4	
	61	<u>5</u>	
Political Economy	1	76	252
	2	22	
	10	12	
	62	11	
	64	34	
	65	22	
	69	31	
	70	23	
	73	17	
	102	3	
	110	<u>1</u>	
Practice	1	18	35
	2	<u>17</u>	
Private International Law		<u>19</u>	19

Subjects	Number of Courses	Number of Students	Total
Pharmacy (Chemist)	66 54 55	5 5 5	55
Philosophy	5 51 55 108	68 19 11 11	108
Physical Education: Men Women		203 108	311
Physics	1 5 6 8 11 15 21 41 53 54 55	161 67 36 8 48 8 27 8 7 4 1	355
Physiology	1 51 55 51	44 24 5 5	67
Political Economy	1 5 10 55 54 55 55 55 70 73 103 110	78 53 18 11 14 25 21 23 17 5 1	333
Practical	1 5	16 16	32
Private International Law		16	16

Subject	Number of Course	Number of Students	Total
Property	1 2 3	26 18 <u>18</u>	62
Psychiatry		<u>12</u>	12
Psychology	51 52 53 54 55 56 103 104 105	28 48 36 35 1 21 1 5 <u>10</u>	185
Science & Engineering		<u>26</u>	26
Soils	2 51 52 53 54 55	14 21 11 13 12 <u>8</u>	79
Statistics		<u>20</u>	20
Surgery	51 52	34 <u>13</u>	47
Therapeutics	51	<u>13</u>	13
Torts	1 2	27 <u>18</u>	45
Toxicology	1 61	14 <u>4</u>	18
Veterinary Sciences	1 51	22 <u>10</u>	32

Subject	Number of Credits	Number of Students	Total
Property	1	22	
	2	12	
	3	12	46
Psychiatry		12	12
Psychology	21	22	
	22	22	
	23	22	
	24	22	
	25	22	
	26	22	
	27	22	
	28	22	
	29	22	
	30	22	
	31	22	
	32	22	
	33	22	
	34	22	
	35	22	
	36	22	
	37	22	
	38	22	
	39	22	
	40	22	
	41	22	
	42	22	
	43	22	
	44	22	
	45	22	
	46	22	
	47	22	
	48	22	
	49	22	
	50	22	
	51	22	
	52	22	
	53	22	
	54	22	
	55	22	
	56	22	
	57	22	
	58	22	
	59	22	
	60	22	
	61	22	
	62	22	
	63	22	
	64	22	
	65	22	
	66	22	
	67	22	
	68	22	
	69	22	
	70	22	
	71	22	
	72	22	
	73	22	
	74	22	
	75	22	
	76	22	
	77	22	
	78	22	
	79	22	
	80	22	
	81	22	
	82	22	
	83	22	
	84	22	
	85	22	
	86	22	
	87	22	
	88	22	
	89	22	
	90	22	
	91	22	
	92	22	
	93	22	
	94	22	
	95	22	
	96	22	
	97	22	
	98	22	
	99	22	
	100	22	

Subject	Number of Courses	Number of Students	Total
Wills		<u>20</u>	20
Zoology	1	59	114
	2	27	
	<u>3</u>	<u>28</u>	

Registration of Students According to National Origin

The following classification of the student body shows to what a large extent the Province is still dependent upon immigration, the vast majority of our students having come here with their parents from other countries. The numbers born in the various countries mentioned are indicated by the figures opposite the name:

1. British Empire	905
(a) Canada	700
Ontario	225
Alberta	220
Manitoba	75
Nova Scotia.....	39
Quebec	35
British Columbia	33
New Brunswick.....	31
Saskatchewan	23
Prince Edward Island.....	18
Yukon	1

The 220 born in Alberta were distributed as follows:

Edmonton.....	62
Calgary	25
Medicine Hat	19
Lacombe	10
Lethbridge	7
Ponoka	7
Pincher Creek	7
Fort Saskatchewan	5
Macleod	5
Okotoks	5
Innisfail	4
Wetaskiwin	4
Delaware.....	3
Leduc	3
Olds	3
Red Deer	3
Vegreville	3
Banff	2
Cardston	2
Carstairs	2
Cayley	2
Beaver Lake	2
High River	2
Islay	2

The following classification of the students by
shows to what a large extent the Province is still dependent upon
immigration, the vast majority of our students having come here with
their parents from other countries. The numbers born in the various
countries mentioned are indicated by the figures opposite the names:

1. British Empire 708
(a) Canada 700

Ontario 222
Alberta 220
Manitoba 78
New Brunswick 32
Quebec 32
British Columbia 32
Newfoundland 31
Saskatchewan 22
Prince Edward Island 12
Yukon 1

The 250 born in Alberta were distributed as follows:

Winnipeg 82
Calgary 22
Medicine Hat 12
Lacombe 10
Lethbridge 7
Ponoka 7
Fleetwood Park 7
Fort Saskatchewan 5
Edmonton 5
Grande Prairie 5
Innisfail 4
Wetaskiwin 4
Didsbury 3
Leduc 3
Olds 3
Red Deer 3
Vegreville 3
Rimbey 3
Garrison 3
Carleton Place 3
Oxyton 3
Rosedale 3
High River 3
Leduc 3

Lamont	2
Landbrock	2
Round Hill	2

and one each from the following towns:

Airdrie, Blackfields, Ben Accord, Cochrane, Crossfields,
 Delph, De Winton, Ferry Bank, Frank, Gwynne, Irvine, Lamerton,
 Leeshere, Lesser Slave Lake, Mountain View, Namsio, Ohaton,
 Provost, Riviere Qui Barre, Sedgewick, Springbank, Spruce Grove,
 Stettler, Star, Willowlea.

(b) Other Parts of the British Empire305

England.....	118
Scotland.....	49
Ireland	19
Wales	8
Newfoundland	4
New Zealand	3
Australia	2
India	2

II. Foreign Countries250

(a) United States193

North Dakota.....	22
Minnesota	18
Iowa	15
Washington	13
Nebraska	11
Pennsylvania	11
Illinois	9
Michigan	8
New York	8
Utah	2
Wisconsin	2
Massachusetts	6
Missouri	6
South Dakota	6
Kansas	5
Oklahoma	3
California	4
Colorado	4
Ohio	4
Vermont	4

1 Journal
 2 Journal
 3 Journal

(2) Other Parts of the British Empire

511	.....	Amalgam
512	.....	Amalgam
513	.....	Amalgam
514	.....	Amalgam
515	.....	Amalgam
516	.....	Amalgam
517	.....	Amalgam
518	.....	Amalgam
519	.....	Amalgam
520	.....	Amalgam

North Dakota
 Minnesota
 Iowa
 Michigan
 Nebraska
 Pennsylvania
 Illinois
 Missouri
 New York
 Wisconsin
 Massachusetts
 Mississippi
 South Dakota
 Texas
 Oklahoma
 California
 Ohio
 Vermont

Montana	3
Oregon.....	3
Connecticut.....	2
Idaho	3
Indiana	3
Arizona	1
Maine	1
New Jersey	1
Virginia	1
States not designated..	3

(b) Foreign Countries other than the United States.....57

Russia.....	17
Denmark	3
Galicia	3
Ukraine	3
Austria-Hungary.....	3
France	3
Poland	3
Rumania.....	3
Belgium	3
Japan.....	3
Alsace	1
Finland	1
Holland.....	1
Italy.....	1
Mexico.....	1
Peru	1
Portuguese W. Africa....	1
Saxony	1
Sweden	1

111. Countries not specified186

The Religious Affiliation of the Students in the University
as shown by their Registration Cards

Presbyterian	282
Methodist	225
Church of England	210
Roman Catholic	84
Baptist	60
Hebrew	27
Lutheran	20
Greek Catholic	20
Unitarian	20
Unitarian Scientist	9
First Day School	9
Constitutionalist	7
Episcopal	2
Interdenominational	2
Union Church	2
Church of Nazareth	1
Dutch Reform Church	1
Unaffiliated	1
None	12
Protestant	20
Not given	20

Academic Work

With regard to the academic work of the year it gives me pleasure to report that on the whole it has been carried on in a very satisfactory manner. The average student attainment as the result of the work of the year as judged by the examinations indicates that our standards have been well maintained. I think it is worth a remark that the recognition which our graduates have received wherever they have gone for graduate studies has shown that the academic work of the university ranks well with that of other institutions. As an illustration of this, I may say that in a letter received from one of the largest universities in America asking for information with regard to a student of ours who had made application for a fellowship, the writer says, "If you say that this man is of as good a quality as the other men you have sent us, we are quite willing to take him without question.

In recent years, the university authorities in Canada have been giving a good deal of attention to the question of how such a large percentage of students, who enter the universities, fail to complete their courses. It has been everywhere recognized that in passing from the high school to the university a great many students are unable to adjust themselves and so fail in their courses. It was to meet this difficulty that in this University the Freshman Committee was organized. In previous reports, I have referred to the excellent work of this Committee, its purpose being to give such close supervision to the work of the freshmen that they

With regard to the academic work of the year it gives me pleasure to report that on the whole it has been carried out in a very satisfactory manner. The various studies assigned to the pupils of the year of the year as judged by the examinations indicate that our standards have been well maintained. I think it is worth a remark that the reputation which our graduates have received wherever they have gone for graduate studies shows that the academic work of the university really will stand out of other institutions. As an illustration of this, I may say that in a letter received from one of the largest universities in America asking for information with regard to a number of our who had made application for a fellowship, the writer says "I'll pay any cost this man holds as good a quality as the other and you have not say on any definite willing to take him without question."

In regard to the university activities in Canada have been giving a good deal of attention to the question of how much a better knowledge of students, who enter the universities, help to organize their courses. It has been especially recognized that in passing from the high school to the university a great many students are unable to adjust themselves and so fall in their courses. It was to meet this difficulty that in this University the Freshman Committee was organized. In previous reports, I have referred to the excellent work of this Committee, the purpose being to give each these assistance in the work of the Freshman that they

may be helped to overcome the difficulties that are necessarily associated with passing from the schools to the university. The experience of the past year has confirmed our judgment of the wisdom of this step. The establishment of a group of freshmen advisers has, without question, resulted in a more uniform standard of work in the Freshman year. This is seen in the fact that the number of persons repeating their year in the university has been considerably reduced.

It is not, however, sufficiently recognized that in passing from the high school to the university students may of necessity find themselves undertaking that for which in a very short time they prove themselves to be incompetent. It is our conviction that it is far better that those who are not fit to continue university work should be eliminated during the first year of their course, if elimination is necessary. If after every effort has been made to help them adjust themselves, the University is forced to the conclusion that they are either incapable or unwilling to do the work which the university demands of them, there can be no doubt that it is better that they should leave the university and undertake the work for which they are fitted. An examination was made during the year of the students in the Freshman Class for the purpose of determining to what extent they had already chosen for themselves occupations for the future and to secure as far as possible their reasons for entering the university. of the 181 students in the first year in Arts, 36 stated that they were attending the Arts course for purely educational

reasons, 5 only were uncertain as to their future, the remaining 80 having already made plans for themselves before entering college. As the result of the year's work, it was found, in April, in answer to a questionnaire then distributed to the students, that of the 80, 34 had already changed their plans due to the experience and knowledge gained of themselves and the advice given to them during the university year, 22 had not yet decided on their future, 17 gave as a reason that they were unable to choose yet, 2 because their parents disapproved of their choice, 2 for domestic reasons and one on account of ill health. Of the 181, 32 had definitely decided to enter the teaching profession, while 12 others were considering that as a possible course.

During the year, 38 students were advised to leave and 15 were required to withdraw from the University because of their proved inadapability to do the university work. The method of procedure in dealing with such cases is as follows. After the first examination, students who have failed are called to a discussion of their cases with their advisers and if necessary with a small committee appointed for the purpose and parents are notified of the facts of the case. If at the second examination such students do not show any improvement, their parents are again notified and the suggestion is made that the university would consider it wise for the student to withdraw from the university. If at the final examination no improvement is shown, then by vote of the General Faculty on the recommendation of the Freshman Committee, students are notified that they may not return to the university for the next term.

However, it only was necessary to see their future, the remaining
50 having already made plans for themselves before entering college.
At the time of the year's work, it was found, in April, in
reference to a questionnaire then distributed to the students, that
of the 50, 24 had already changed their plans and for the department
and knowledge gained of themselves and the advice given to them
during the university year, 28 had not yet decided on their future.
It gave as a reason that they were unable to choose yet, 2 because
their former classmates of their opinion, 2 for domestic reasons
and one on account of ill health. Of the 11, 10 had definitely
decided to enter the teaching profession, while 10 others were
considering that as a possible choice.
During the year, 20 students were advised to leave
and 10 were required to withdraw from the University because of
their poor health, inability to do the university work. The method
of procedure in dealing with such cases is as follows. After
the final examination, students who have failed are called
in a discussion of their cases with their advisors and it is necessary
with a small committee appointed for the purpose and reports
are notified of the results of the case. It is the school
administration that attempts to get their own improvement, their
records are again notified and the suspension is made if
the university would consider it wise for the student to
withdraw from the university. It is the final examination no
improvement is shown, then by vote of the Council of Faculty on
the recommendation of the President, Committee, students are
notified that they may not return to the university for the

Work for Teachers

During the year, one notable departure was made in the work of the Department of Philosophy. For several years special courses were given in the university particularly designed to meet the needs of teachers. The call for this work grew out of the application of the modern developments in psychology to the training of teachers and to the work of the teachers in the school room. So helpful did this work prove to be that a call came from other parts of the province for the establishment of like courses. It was found possible to organize classes in Calgary, but up to the present moment at no other centre in the province. We arranged with one of our best instructors in psychology to spend week-ends in Calgary, lecturing on Friday nights and Saturday mornings. It would appear that the work in Calgary has given general satisfaction.

Discipline

There have been no cases of discipline of a serious nature during the session. The Students' Court for the Men and the Wamneita Council for the women have continued to function very satisfactorily. Only two cases had to be dealt with by the Committee on Student Affairs, the judgments of the students' organizations being accepted in all other cases.

During the year, a resolution was passed by the Students' Union modifying the form which initiations should take in future years. This resolution included the suggestion that a day to be called "University Day" be set aside and that the annual field meet and initiation should take place at that time. Provision is being made to see that the initiation in the future is more carefully supervised and it is hoped that most of the objectionable elements will be eliminated.

The organization carried on by the students themselves under the official title of the Students' Union has continued to develop and mature along thoroughly sound and wholesome lines. The activities of this organization are indicated somewhat by the fact that the annual budget under the Union amounts now to approximately \$12,000.

It has been the aim both of the students and the University authorities to establish a high standard in connection with University sport. A Committee on Scholastic Standing was formed some years ago which fixed a definite educational standard for students who wished to represent the University on athletic teams. This Committee has had, during the year, the full co-operation of the students themselves. As an illustration of this high

There have been no cases of discipline of a serious

nature during the session. The Students' Council for the Year

and the Executive Council for the year have continued to function

very satisfactorily. Only one case has to be dealt with by the

Committee on Student Affairs, the indignity of the students'

organization being accepted in all other cases.

During the year, a resolution was passed by the Students'

Union regarding the form which institutions should take in future

years. This resolution included the suggestion that a day in

the calendar should be set aside for the annual field

work and that the institution should take place at that time. Provision is

being made to see that the institution in the future is more

carefully supervised and it is hoped that most of the objections

raised will be eliminated.

The organization carried on by the students themselves

under the official title of the Students' Union has continued to

develop and mature along thoroughly sound and wholesome lines.

The activities of this organization are indicated somewhat by

the fact that the annual budget under the Union account now is

approximately \$25,000.

It has been the aim both of the students and the

University authorities to establish a high standard in cooperation

with University efforts. A Committee on Educational Standards

formed some years ago which filed a valuable educational statement

for students who wished to represent the University on scientific

boards. This Committee has had during the year, the full cooperation

of the students themselves. As an illustration of this high

standard of thinking, I should like to mention the fact that the Men's Basket-Ball Team, which for the past four years has established a very high record, refused to accept the Provincial Championship on a technicality and, as a consequence, in a hard game lost the championship of the Province. The action of the team in taking this stand has been recorded in the minutes of the Committee on Student Affairs and of the General Faculty and has received the commendation of the press of the Province. I believe this action of the basket-ball team represents in the main the spirit which actuates the young people who participate in the athletics of the university.

Medical Services:

The efficiency of the Medical Services has been greatly increased, during the year, by the appointment of Dr. E. L. Pope, Professor of Internal Medicine, as Director. Dr. J. W. Scott has also been appointed Resident Physician. The expansion of the Services has necessitated increasing the fee from \$3 to \$5. The Students' Union voted unanimously in favour of this increase. Provision is being made for the coming session for special surgical rates and also for special rates in connection with the use of the equipment of the University Hospital.

The advantage to the students of this arrangement is shown by the following facts:

During the session, the Medical Director had approximately 1800 consultations with students in regard to matters of health. The Resident Physician made 850 visits to the Infirmary and 80 visits to outside students; while Mrs. Hayes, the nurse in the Infirmary, gave 1690 treatments for various kinds of ailments, such as colds, sore throat, burns, bruises, sprains, etc.

117 cases were treated in the Infirmary of which 85 were resident and 17 non-resident students, the remaining 15 cases being those of employees of the University.

A rather remarkable group of infirmities showed themselves among the students during the session. For example, some of the cases treated were as follows:

Arthritis, Asthma, Boils, Burns, Colds, Concussion, Eczema, Epistaxis, inflamed eyes, earache, goitre, fracture, inflammatory rheumatism, intercostal pain, laryngitis, myalgia, pleurisy,

The efficiency of the Medical Department has been greatly increased, during the year, by the appointment of Dr. E. E. Page, Professor of Internal Medicine, as Director. Dr. J. W. Scott has also been appointed Resident Physician. The expansion of the Department has necessitated increasing the fee from \$5 to \$8. The Students' Union voted unanimously in favor of this increase. Provision is being made for the coming session for special surgical cases and also for special cases in connection with the use of the equipment of the University Hospital.

The advantage to the students of this arrangement is shown by the following facts:

During the session, the Medical Director had approximately 1500 consultations with students in regard to matters of health. The Resident Physician made 850 visits to the University and 50 visits to outside students; while Mrs. Brown, the nurse in the Infirmary, gave 1800 treatments for various kinds of ailments, such as colds, sore throats, burns, bruises, sprains, etc. 117 cases were treated in the Infirmary of which 65 were residents and 17 non-resident students, the remaining 35 cases being those of employees of the University.

A rather remarkable group of infectious diseases, such as themselves among the students during the session. For example, some of the cases treated were as follows:

Arthritis, Asthma, Bums, Colic, Gonorrhea, Herpes, Polio, Influenza, Typhoid, Syphilis, Tuberculosis, etc.

quinsy, rectal abscess, scarlet fever, syncope, stomach trouble, sprains, abscess of teeth, tonsillitis, tonsillectomy, neuralgia, typhoid fever.

It seems hardly necessary to say that if this service was rendered individually by practicing physicians, and ordinary hospital services were made use of, the cost would be at least \$10,000 ,whereas the cost to the students through the Medical Services was approximately \$4,100 .

Donations

The University is in receipt of a prize in Philosophy for the student making the best record in the second year courses in the Department of Philosophy, to be called the Halley Hamilton Goetz Memorial Prize in memory of the late Professor Goetz. This prize is the gift of Mr. Wilfrid Wees, one of our own graduates.

A gift of French books illustrative of contemporary French culture has been received for the Library from the French-Canadian Committee, Paris.

The Geology Department has had several contributions to its museum, one made by Mrs. C. Fife of Magnolia, Alta. , another, a set of minerals and rocks presented to the Department by the Geological Survey, Ottawa. These samples were log samples from the wells drilled in the province and will add to the knowledge of our natural resources already acquired through the Industrial Research Council of Alberta. The third, a small field balance and complete equipment for the determination of mineral tests in the field. This was presented to the department by Mr. W. J. Dick of the Cadomen Coal Company.

The Department of Botany is in receipt of a collection of ferns (mounted) from New Zealand presented by Mrs. de Forest

During the year, the Library was in receipt of a type-written manuscript entitled "Forty Years in the North West", written by an Edmonton citizen, Mr. W. J. Carter. This volume is especially prized as giving an intimate touch of the life of the country during its pioneer days by one who participated in its development.

The University is in receipt of a notice in this regard.
For the records of the University, the following is being
in the Department of Geography, to be called the History
Historical Society of the University of the State of New York.
This is the gift of Mr. William H. Hall, one of our
and generous.
A gift of French books illustrative of contemporary
French culture has been received from the Library from the
French-German-Government, Paris.
The Geography Department has had several contributions
to its museum, one made by Mrs. C. H. Hall of New York City,
another, a set of minerals and rocks presented to the Department
by the Geological Survey, Ottawa, Ontario. These gifts are for
specimens from the collection in the province and will add
to the knowledge of the natural resources of the province.
Through the International Geological Congress of 1905, the gift
a small field notebook and complete equipment for the
investigation of mineral resources in the field. This was presented
to the Department by Mr. J. J. Hall of the Canadian Geological
Survey. The Department of History is in receipt of a collection
of books (presented) from the Canadian Government by Mr. J. J. Hall
during the year, the Library was in receipt of a
specimen collection of thirty books in the North West,
written by an American officer, Mr. J. J. Hall. This volume
is especially valued as giving an intimate knowledge of the life of the
country during the present days by one who has lived in the
development.

Mr. C. C. McCaul of Edmonton has presented the University with a collection of Eskimo curios.

The Government of the Republic of France through the Consul General of France in Canada offered a scholarship to the value of 7,000 francs for a student selected from the University of Alberta to continue his scholastic study in France for the year 1923-24. This scholarship was awarded to Mr. Arthur Morgan, B.A.

Rockefeller Foundation Donation, \$526,000

The outstanding donation of the year, however, is the gift to the Faculty of Medicine of \$500,000 as an endowment fund from the Rockefeller Foundation and an additional grant of \$5,000 from Mr. John D. Rockefeller, Jr. in order to make insulin available to those patients in the hospital who were not able to pay for the insulin treatment.

In addition to the above, the University received for current account, during the year, \$35,000 from the Rockefeller Foundation as interest on the \$500,000 grant. This notable gift was made in recognition of the advances which the University Medical Faculty has made in the past few years, Alberta being one of the four universities in Canada to benefit under this Foundation. The grateful thanks of the Senate and Board of Governors of the University was sent to the Rockefeller Foundation for their generous gift.

Carnegie Corporation Donation of \$10,000

In order to enable Dr. Collip to continue his studies in connection with insulin the Carnegie Corporation made a gift to the University of \$10,000. This money has been spent in the employment of assistance and the purchase of equipment for

Mr. E. O. McGowan of Boston has presented the University

with a collection of historic copies.

The Government of the Republic of France through the

General Secretariat of France in Geneva offered a scholarship to the

value of 7,000 francs for a student selected from the University

of Geneva to continue his scientific work in France for the

year 1933-34.

Reception of the University of Geneva, 1933, 1934

The following is a list of the year, however, in the

gift to the Faculty of Medicine of 100,000 francs by the University

from the Rockefeller Foundation and an additional sum of

50,000 francs from Mr. John D. Rockefeller, Jr. in order to make possible

analysis to those patients in the hospital who were not able

to pay for the medical treatment.

In addition to the above, the University received

for current expenses, during the year, 100,000 francs from the Rockefeller

Foundation as interest on the 100,000 francs. This notable gift

was made in recognition of the services which the University

Medical Faculty has made in the past few years, during which

one of the best universities in Europe has been able to

maintain. The grateful thanks of the Faculty and Board of

Governors of the University are due to the Rockefeller

Foundation for their generous gift.

University of Geneva, 1933, 1934

In order to make Dr. Gullis to continue his

research in connection with the University of Geneva

a gift to the University of 100,000 francs. This money has been spent

in the equipment of the laboratory and the purchase of equipment for

Summer School and Summer Session, Faculty of Arts

As in previous years, the University placed the buildings and equipment, during July and August, at the disposal of the Summer School for Teachers conducted by the Department of Education.

The Summer Session of the Faculty of Arts in which courses leading to a degree were offered, was continued. The attendance of those taking the Teachers' Courses in the Summer School as well as of those taking the Undergraduate Courses in the Faculty of Arts was in excess of that of last year. As last year was the first year both the School and the Faculty were put upon a self-supporting basis, the numbers were smaller than usual. The increase in numbers this year shows a revived interest and understanding of the whole Summer School undertaking. The registration was as follows:

<u>Registration</u>	50 men	59 women	total-109
---------------------	--------	----------	-----------

First Year Courses:

		<u>Students</u>
French 1-3	Part 1	11
	" 2	8
Latin 1-3	" 1	17
	" 2	18
Mathematics 1	" 1	8
	" 2	7
Physics 1	" 1	7
	" 2	7

in its previous years, the University placed the
 buildings and equipment, and the Faculty, at the disposal
 of the Summer School for research conducted by the members
 of the Faculty.

The Summer Session of the Faculty of Arts in which
 courses leading to a degree were offered, was organized. The
 attendance of these courses during the Summer Session in the Summer
 School as well as of those leading to the University degree in the
 Faculty of Arts was in excess of that of any year. In 1914
 was the first year since the School and the Faculty were not
 upon a self-sustaining basis, the members were working the year.
 The University in 1914 was about a normal interest
 and maintenance of the whole Summer School organization.

The registration was as follows:

Registration 85 students 100-100

These Figures:

Students	Faculty	Students
11	1	100-100
12	2	100-100
13	3	100-100
14	4	100-100
15	5	100-100
16	6	100-100
17	7	100-100
18	8	100-100

Second Year Courses:

		<u>Students</u>
Chemistry 1	Part 1	8
	" 2	3
Greek 2-4	Part 1	4
	" 2	3
Mathematics	" 2	7

Senior Courses:

History 56	" 1	7
	" 2	7
Mathematics 53	" 1	6
" 63	" 1	5
Psychology 51	" 1	21
	" 2	36
Psychology 55	" 1	19
	" 2	37

Chancellor's Portrait

It is with pleasure we report that during the year the graduates, students, and staff of the University combined and gave to the University a portrait of the Chancellor, painted by Mr. F. H. Varley of Toronto. It seems therefore fitting to call attention to the fact that Mr. Justice Stuart has served as Chancellor of the University since its beginning in 1908. The University owes much to his continued support and good-will. His portrait will serve as a fitting reminder to future generations of students of his long connection with the University.

Chancellor's Report

It is with pleasure we report that during the year the President, students, and staff of the University combined and gave to the University a portrait of the Chancellor, painted by Mr. E. H. Wray of Toronto. It was therefore fitting to call attention to the fact that Mr. Justice Street has served as Chancellor of the University since its beginning in 1827. The University owes much to his continued support and good-will. His portrait will serve as a fitting reminder to future generations of students of his long connection with the University.

Convocation

The Convocation for the year was held on May
13th, 1924.

Total number of degrees granted-

In course	186
Ad eundem	21
Research	1
Diplomas in Pharmacy...	16

The following persons were admitted to degrees
in the University:

Admitted to the Degree of Bachelor of Arts

Balcan, Ruth Victoria
Baltzen, Harry Lewis
Bany, Helen
Bickell, Jessie Clarke
Bradford, Andrew Cameron
Butchart, Elwood Alexander
Campbell, Clarence Sutherland
Cassels, John MacIntyre (First Rank Honours in Political Economy)
Clark, Alfred Ernest
Clark, Thomas
Cock, Janet McLaren
Crawford, Hugh Wilfred
Driscoll, Aileen
Gerrie, Constance Conroy
Gerrie, John Wilfrid
Glover, Robert Melvin
Graham, Marjorie Kathleen
Gratz, Marial MacFarlane (First Rank Honours in Mathematics)
Grindley, Thomas William (First Class General Standing, Arts & Agric.)
Hayes, Mary Margaret (Sister)
Harkness, Douglas Scott
Heathcote, Lesley Marial (First Rank Honours in Modern Languages)
Herbreton, Josephine (Sister)
Hobbs, Edith Hilda (Second Rank Honours in History)
Hollinshead, Lorna Elizabeth
Hidings, Theresa Alta
Jamieson, Kenneth Richard (First Class General Standing, Arts and Law)
Karran, Frederick Robert Douglas
Lebourveau, Homer Benjamin
Lee, John Gordon
MacArthur, Kenneth Dickson (First Rank Honours in History)
MacLean, Dorothy Margaret (Second Rank Honours in English)
MacLeod, Agnes Jean
MacMullen, William Aubrey
MacNab, Kathleen Marsh (First Rank Honours in History)
McKay, Hugh Dexter (First Class General Standing, Arts & Law)

McCaffary, Marie Gertrude
 McCorry, James
 Manning, Frederick Clarence
 Marshall, Samuel
 Mogan, Joseph
 Moffat, Flora
 Moraw, May
 Newson, Dora Allison
 Newson, Frank Jost
 Powell, Roscoe George
 Putland, Arthur Kingsley
 Raver, Annabel
 Rowe, Mildred Elizabeth
 Rockwood, Maurice
 Ruddy, Charles Emmett
 Sancier, Jack James (with First Class General Standing in Arts & Law)
 Simpson, Alexander Mills
 Stacey, Earl Clifford
 Stanford, Margaret
 Stothers, Jennie
 Swift, William Herbert
 Teskey, Hugh Garth
 Todd, William Hall
 Tuck, Mervyn Anson
 Turner, William Orris
 Underwood, Clifford,
 Villy, Barbara Lloyd (First Rank Honours in English)
 Walker, Majerle
 White, Edward William
 Wallis, Eina Irene
 Williamson, James Owen
 Young, Margaret Irene

Admitted to the Degree of Bachelor of Arts. Ad Hunc

Balfour, Henry Edgar, B.A.
 Ferguson, James David, B.A.
 Hansen, Eina Jane Brandon, B.A.
 Hadley, Robert Wesley, B.A.
 Pearson, William Charles, B.A.
 Rinehart, George Russell, B.A.
 Smith, John Mark Frederick, B.A.
 Stewart, Robert Edward, B.A.
 Tackaberry, Seymour Foss, B.A.
 Terrie, Arthur Edward, B.A.
 Wright, Elaine Elizabeth Margaret, B.A.

Admitted to the Degree of Bachelor of Commerce

Baker, Robert Mills (First Class General Standing)
 Breen, Anton John (First Class General Standing)
 Caldwell, Olive Jane
 Charlesworth, Doris
 O'Donnell, Cyril
 Owen, Philip
 Simpson, Douglas Stuart

McCarthy, James

[Faint handwritten notes at the bottom of the page]

1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 25

Admitted to the Degree of Bachelor of Science in Arts

Andrews, Elizabeth Ellery
Baker, Roy Irvine
Bradford, Marjorie (Second Rank Honours in Mathematics)
Mitchell, Bessie
Salt, George (First Rank Honours in Botany)
Tomlinson, Hersee Otto

Admitted to the Degree of Bachelor of Science in Household Economics

Fairfield, Alice
Lawson, Elizabeth Margaret MacArthur
Malone, Margaret Mary
McIntyre, Elma Hazel
Simpson, Gretta Shaw
Stacey, Farna Lillian
Timmins, Beatrice
Wilson, Hilda Marie

Admitted to the Degree of Bachelor of Science in Pharmacy

Hollinshead, Guy Fletcher
Scott, Norman
Stothers, William

Admitted to the Degree of Bachelor of Science in Civil Engineering

Dawson, Gerald Stewart
Fraser, Arthur Archibald
Nicoll, James McLaren

Admitted to the Degree of Bachelor of Science in Mining Engineering

Jones, Islayn
McDonald, James Alexander
Millen, John
Telfer, Leonard

Admitted to the Degree of Bachelor of Science in Mining
Engineering, Ad Eandem

Blair, Sidney Martin,

Admitted to the Faculty of Bachelor of Science in 1925

Andrew, William Henry
Bates, John Irving
Hawkins, Lawrence (Second Rank Honors in Mathematics)
Nichols, Walter
Sells, George (First Rank Honors in Science)
Tordella, Thomas Otto

Admitted to the Faculty of Bachelor of Science in 1926

Boyd, William
Brown, William
Hawkins, William
Hawkins, William
Hawkins, William
Hawkins, William
Hawkins, William
Hawkins, William
Hawkins, William
Hawkins, William

Admitted to the Faculty of Bachelor of Science in 1927

Hawkins, William
Hawkins, William
Hawkins, William
Hawkins, William

Admitted to the Faculty of Bachelor of Science in 1928

Hawkins, William
Hawkins, William
Hawkins, William
Hawkins, William

Admitted to the Faculty of Bachelor of Science in 1929

Hawkins, William
Hawkins, William
Hawkins, William
Hawkins, William

Admitted to the Faculty of Bachelor of Science in 1930

Hawkins, William
Hawkins, William
Hawkins, William
Hawkins, William

Admitted to the Degree of Bachelor of Science in
Electrical Engineering

Panjoy, William Thomas
Fisher, Frederick Sorley
Lebourveau, Homer Benjamin
McMillan, James
Stock, Sydney Wallace
Symes, Wilfrid Eric

Admitted to the Degree of Bachelor of Science in
Electrical Engineering, Ad Eundem

Dansen, James Edgar, B.Sc.
Sterritt, William Robert, B.Sc.

Admitted to the Degree of Bachelor of the Science of
Agriculture (B.S.A.)

Backman, Wilfred Seth
Foster, Leslie Henry Harland
Gilbert, Douglas Lyle
McCannell, Donald Alexander
Mann, Hiland Henry Mark
Martin, William McKinley
Nelson, Paul Fridolf
Murdock, Royal Douglas
Peirce, John Raymond
Yench, Charles Edward
Youngs, Otto Euler

Admitted to the Degree of Bachelor of the Science of
Agriculture (B.S.A.) Ad Eundem

Cutler, Garnet Homer

Admitted to the Degree of Bachelor of Science in
Agriculture (B.Sc.)

Addison, Frank Wesley
Anderson, William Alan
Dahl, Paul Le Mont
Ficht, Joseph Paul
McAllister, John Alexander
Mulloch, John Gordon
Tester, Keith Bedwell (First Class General Standing)
Walker, John

Admitted to the Degree of Bachelor of Science in
Electrical Engineering

Boyle, William Thomas
Hester, Frederick Henry
Hodgkinson, Robert William
McWilliam, James
Woods, George William
Woods, William John

Admitted to the Degree of Bachelor of Science in
Electrical Engineering in England

Lawson, James Edgar, B.Sc.
Lawson, William Robert, B.Sc.

Admitted to the Degree of Bachelor of the Science of
Engineering (B.E.A.)

Robinson, Alfred John
Robert, James Henry
Gillies, Douglas John
Macdonald, Thomas Alexander
Ward, Alfred Henry
Laurie, William Alexander
Mason, Paul Robert
Murray, John Douglas
Murray, John Robert
Murray, John Robert
Murray, John Robert
Murray, John Robert

Admitted to the Degree of Bachelor of the Science of
Engineering (B.E.A.) in England

Collins, George James

Admitted to the Degree of Bachelor of Science in
Engineering (B.E.A.)

Anderson, Frank Henry
Anderson, William John
Duff, John La Motte
Hobbs, Thomas John
McIntosh, John Alexander
Murray, John Robert
Murray, John Robert (First Class General Standing)
Murray, John

Admitted to the Degree of Bachelor of Laws

Allen, Gordon Hollis
Bercov, Abraham
Budd, William Sinclair
Chrischey, Herman Stanley
Clarks, Peter Drew
De Mills, William Ewart
Fisher, Helen Margaret
Ford, Francis Armour (with distinction)
Graburn, William
Koch, Alfred
McBrine, Arthur Richardson
McClung, John Wesley
McRae, Donald Murray
Millard, MacDonald
Moraw, Lorne Stanley
Nielsen, Digvald (with Distinction)
O'Connor, Sarah Julia
Parney, George Lyman
Peterson, Gilbert Carrie
Poirier, Paul Emile
Shepherd, Lionel John
Simpson, Alfred
Scuter, Lewis Carnaby Ross
Steeves, Helen Douglas
Stutckbury, Ewart William
Turootte, Louis Sherman (with Distinction)
Van Idour, Lila Elsie
Wallbridge, Edward Gordon
Watchorn, Hubert James
White, Ronald Dunaverty
White, Thomas Everett
Wood, Sydney

Admitted to the Degree of Doctor of Medicine, Ad Eundem

Bell, William Wilberforce, M.D., C.M.
Melling, Peter, M.B.
Thompson, Gordon Edward, M.D., C.M.
Vango, Harold Main, M.D., C.M.
Yak, John, M.D., C.M.

Admitted to the Degree of Master of Arts

Balfour, Henry Kara, B.A.
Clark, Harry Clamison, B.A.
Crom, Lillian Alberta, B.A.
Debson, Harold Edward, B.A.
Gold, Margaret Hallowood, B.A.
Hart, Thomas, B.A.
Manning, Gerald Frederic Langley, B.A.
Marion, George, B.A.
Pearson, William Charles, B.A.
Pegrum, Dudley Frank, B.A.
Lipsch, Barnett, B.A.

Smith, Edgar, B.A.
Sonat, Edward, B.A.
Stewart, Robert Edward, B.A.
Stubbs, Frances Lovella, B.A.
Tachaberry, Seymour Foss, B.A.
Tompkins, Stuart Ramsey, B.A.
Wershof, Minnie Jennie, B.A.

Admitted to the Degree of Master of Science in Arts

Dowling, Eleanor Silver, B.Sc.
Scroggie, Arthur Galbraith, B.Sc.

Admitted to the Degree of Master of Science in Applied Science

Blair, Sidney Martin, B.Sc. (Mining)
Reid, Charles David, B.Sc. (Engineering Physics)

Admitted to the Degree of Master of Science in Applied
Science, Ad Eundem

Stansfield, Elger M.Sc.

Admitted to the Degree of Master of Science in Agriculture

MacDonald, William Duncan, B.S.A.

Admitted to the Degree of Bachelor of Education

Hedley, Robert Wesley, M.A.
McGeekin, John Young, M.A.
McLeod, William Joseph, M.A.
Sheppard, Ross Stanley, M.A.
Taylor, John Gladstone, M.A.

Admitted to the Degree of Bachelor of Divinity

Ogston, Alexander Whyte, B.A.

Admitted to the Degree of Doctor of Science

James Bertram Collip, M.A., Ph.D.

Admitted to the Degree of Master of Arts, Honoris Causa

Vernon West Barford, A.A.G.O.

Admitted to the Degree of Doctor of Laws, Honoris Causa

Chief Justice David Lynch Scott
Christian Peter Marker, Knight of Banabrog

Walter, William, B.A.
Walter, William, B.A.
Walter, William, B.A.
Walter, William, B.A.
Walter, William, B.A.
Walter, William, B.A.
Walter, William, B.A.
Walter, William, B.A.

Admitted to the Degree of Bachelor of Science in Arts

Walter, William, B.A.
Walter, William, B.A.

Admitted to the Degree of Bachelor of Science in Applied Science

Walter, William, B.A. (Mining)
Walter, William, B.A. (Engineering Physics)

Admitted to the Degree of Bachelor of Science in Applied
Science, A.B.

Walter, William, B.A.

Admitted to the Degree of Bachelor of Science in Engineering

Walter, William, B.A.

Admitted to the Degree of Bachelor of Science

Walter, William, B.A.
Walter, William, B.A.
Walter, William, B.A.
Walter, William, B.A.
Walter, William, B.A.
Walter, William, B.A.

Admitted to the Degree of Bachelor of Science

Walter, William, B.A.

Admitted to the Degree of Bachelor of Science

Walter, William, B.A.

Admitted to the Degree of Bachelor of Science

Walter, William, B.A.

Admitted to the Degree of Bachelor of Science

Walter, William, B.A.
Walter, William, B.A.

Professional Examinations

Since Convocation 1923, the following persons have passed the examinations for Licence to Practise, conducted by the University on behalf of the Affiliated Professional Societies:

Accountancy-	Christian, Charles; Harris, George Granby; Morrison, Kenneth John
Medicine-	Stoner, R.R.
Nursing-	Askew, A.E.; Bengsten, E.V.; Blaikie, A.E.; Carter, G.E.; David, F.E.; Dee, A.I.; Filiatreault, O.; Finley, M.; Feral, D.M.J.; Geraghty, M.; Gwaltney, S.A.; Helps, W.M.; Henn, E.H.; Joughin, F.V.; Kilgannon, M.A.; Kraft, A.; Lann, E.; Lyman, M.H.; McDougall, I.L.; May, E.; Palmer, E.B.; Patterson, V.; Peterson, M.A.; Reame, M.J.; Riley, A.G.; Roberts, V.M.; Ross, M.A.; Robinson, A.L.; Stewart, A.L.; Tarrant, A.A.; Travis, O.J.; Tabman, J.T.; Warden, M.E.; Williams, M.E.I.
Optometry-	Miller, J.S.

Public Health Laboratories

The work of the Provincial Laboratories has been carried on during the year with increased efficiency. The new hospital regulations introduced by the Minister of Health have greatly increased the number of histological and pathological specimens to be examined. The result has been an increase of 58% in that part of the work of the laboratory. Taking the whole laboratory there has been a total increase of 35% in the specimens examined during the year. On the last page of the Report of the Provincial Bacteriologist, Appendix III, will be found an estimate of the commercial value of the work done on the basis of minimum charges made by professional men. The total amount is \$22,826 , an increase of \$21,000 over last year, a percentage increase of 35.9% The net vote given us by the government for this purpose, last year, was \$32,000.

The work of the Provincial Laboratories

has been carried on during the year with increased efficiency. The

new hospital regulations introduced by the Minister of Health

have greatly increased the number of biological and pathological

specimens to be examined. The result has been an increase of

50% in that part of the work of the laboratory. During the whole

laboratory there has been a total increase of 50% in the specimens

examined during the year. On the last day of the month of the

Provincial Laboratories, December 31st, will be found an

estimate of the approximate value of the work done on the basis

of minimum charges made by professional men. The total amount

is \$22,825, an increase of \$21,000 over last year, a percentage

increase of 55.3%. The net value given as by the Government

for this purpose, last year, was \$22,000.

British Association for the Advancement of Science

Canada was favored in 1924 by a visit of the British Association for the Advancement of Science which held its annual meeting in the city of Toronto. Under the arrangements made for the visit, meetings of certain Sections were held in the Universities of Saskatchewan and Alberta. The whole Association visited us for one day and sectional meetings were conducted in the university buildings. The Sections which held meetings here were those of mathematics and physics, geology, and a joint meeting of the botany and agricultural sections. Without question, the immediate result of this visit will be to stimulate interest in science and scientific work.

Canadian Universities Conference

On account of the visit of the British Association for the Advancement of Science to Canada, the arrangements for holding the conference of Canadian Universities was cancelled.

British Association for the Advancement of Science

Canada was favored in 1924 by a visit of

the British Association for the Advancement of Science which

held its annual meeting in the city of Toronto. Under the

arrangements made for the visit, meetings of various sections

were held in the Universities of Saskatchewan and Alberta. The

whole Association visited us for one day and several meetings

were conducted in the university buildings. The sections which

held meetings here were those of Mathematics and Physics, Zoology,

and a joint meeting of the Botany and Agricultural sections.

Without question, the immediate results of this visit will be

an estimate increased in science and scientific work.

Canadian Universities Conference

On account of the visit of the British

Association for the Advancement of Science to Canada, the arrangements

for holding the conference of Canadian Universities was cancelled.

Research

The work of the Research Council of the Province of Alberta has been carried on vigorously during the year. Printed reports of its activities will be laid before the legislature during the session. One notable advance was made viz., the establishment of a tar sands separation plant near the A. & G.W. railway station, on a semi-commercial basis. A piece of road-way surfaced with the products of the tar sands was laid in the autumn of 1923 and came through the frost of the winter and the rains of the spring so successfully as, in some measure at least, to justify our expectations that a material for water-proofing our roads can be made available.

During the summer, a field party under the supervision of Dr. E. A. Clark made an economic survey of the principal bituminous sand deposits of the Athabasca region.

The field work under Dr. Allan was continued during the year, one party carrying on work in the foothills and another party from Carbon to Ardley correlating the coal seams in that district with the ones previously studied in the Drusheller field. As the result of this work, a coal areas map has been published in which the coal producing districts are shown in relation to their geological formation.

In addition to the work of the geological staff, the chemical survey referred to last year has been continued vigorously. The accumulated material of a number of years is being classified and a chemical map of our coals corresponding to the geological map referred to above is being prepared.

The work of the Hawaiian Council of the Province of

Alaska has been carried on vigorously during the year. The

in fact of the activities will be laid before the committee

during the session. One notable advance was the visit of the

establishment of a new school association which was the A. S. G. F.

visiting of Alaska, on a semi-annual basis. A plan of

work was also the subject of the new school was laid in the

of the work and was through the work of the winter and the

of the work as successfully as, in some respects at least, in

which can be expected that a material for water-logging and

work can be made available.

During the session, a staff party under the supervision

of Dr. R. A. Clark made an economic survey of the

districts and districts of the Alaska region.

The first work under Dr. Clark was completed during the

year, and party working on with in the district and another party

from Alaska to being completed the local work in that district

with the work previously completed in the District of Alaska. As

the result of this work, a coal mine has been published in

which the coal producing districts are shown in relation to their

geological formation.

In addition to the work of the previous year,

the geological survey referred to last year has been continued

thoroughly. The work has consisted of a number of years

in being classified and a detailed map of the coal producing

in the geological survey referred to above is being prepared.

Ultimately, we shall have such complete information regarding the position and quality of the coals of the province as to effectively guide those who wish to engage in the industry. It might be added that the knowledge acquired to date has been made available to the Coal Commission of the Province now studying for the government the special problems connected with our coal industry.

The work on briquetting has been continued with special reference to the sub-bituminous coals of the foothills. Such progress has been made to justify the statement that the outlook for the economic establishment of briquetting plants in these areas is hopeful. It should be added, however, that the more profoundly the question is studied the more apparent becomes the fact that there are fundamental chemical and physical problems yet to be solved.

Further, good progress has been made in the study of domestic heating furnaces. For this purpose more accurate methods have been now devised and have proved satisfactory. Without question the information thus obtained will be of great assistance in designing furnaces suitable for our coals.

A branch of the work developed, this year, and carried out under Professor Wilson's direction concerns the deterioration of the timbers used in the coal mine. There is at present no definite knowledge of the value of different species of Alberta timber for varied conditions encountered in our mines, and it is hoped by this work to materially reduce the cost of coal production.

With this, we shall have such complete information regarding the position and quality of the output of the province as to effectively guide those who wish to engage in the industry. It might be added that the knowledge referred to here has been made available to the Coal Commission of the Province now studying for the government the special problems connected with our coal industry.

The work on briquetting has been continued with special reference to the low-briquetting scale of the localities. Such progress has been made to justify the statement that the outlook for the economic establishment of briquetting plants in these areas is hopeful. It should be added, however, that the more profitable the question is studied the more apparent becomes the fact that there are fundamental chemical and physical problems yet to be solved.

Further, such progress has been made in the study of domestic heating furnaces. For this government committee methods have been devised and have proved satisfactory. Without question the information thus obtained will be of great assistance in designing furnaces suitable for our needs.

A branch of the work described, this year, and carried out under Professor Wilson's direction concerns the deterioration of the timber used in the coal mine. There is no present no definite knowledge of the value of different species of Alberta timber for varied conditions encountered in our mines, and it is hoped by this work to materially reduce the cost of coal production.

A laboratory study was made on the fusibility of the ash from a number of typical coals. This work is of considerable importance with regard to the suitability of such coals for power production.

In addition to the work done under the Research Council of the Province, progress has been made in research work in nearly all the scientific laboratories of the University. In this connection our aim has been from the beginning, as far as possible, to make every department of the university a research department.

In the Department of Physics, Dr. Boyle's work on Ultra Sonics was continued. This work was put to a practical test, last summer. The Dominion Government provided Dr. Boyle with a steamer on which he fitted up the apparatus designed as the result of his experiments and used it in determining ocean depths, distance of sea-shores and the detection of ice bergs. A full report on the work has been made to the National Research Council which provided the necessary funds for carrying it on. Only limited publicity has yet been permitted by the British Admiralty under whose auspices the work was started. Without question, this work will have far-reaching effects in connection with ocean traffic.

Under the same department two other researchers, Messrs. Smith and Lang, have been carrying on investigations of value.

In the Chemistry Department, under Dr. Lebmann, new equipment has been installed, also provided by the National Research Council, for further investigation of the chemical content of the Alberta bitumen.

A laboratory study was made on the suitability of

the ash from a number of typical coals. This work is of considerable
importance with regard to the suitability of such coals for power
generation.

In addition to the work done under the Harcourt Committee

of the Province, progress has been made in research work in nearly
all the scientific laboratories of the University. In this connection
our aim has been to give the best advice, as far as possible, to help
every department of the university to advance its research.

In the Department of Physics, Dr. Boyle's work on Ultra

Sound was continued. This work was put to a practical test.

Last summer, The Dominion Government provided Dr. Boyle with a

stipend on which he fitted up the apparatus designed as the result
of his experiments and used it in determining ocean depths.

distances of submarines and the location of the bergs. A full

report on the work has been made to the National Harcourt Committee

which provided the necessary funds for carrying it out. Only

limited facilities have yet been furnished by the British Antarctic

under those conditions the work was started. Without question,

this work will have far-reaching effects in connection with

ocean traffic.

Under the same department and other researches, Moore,

Gold and Lang, have been carrying on investigations of value.

In the Chemistry Department, under Dr. Lawrence, new

equipment has been installed, also provided by the National Research

Committee, for further investigation of the chemical content of

the Atlantic blubber.

Dr. Collip in the Department of Biochemistry has been following up with further researches his previous work on insulin. For this purpose funds were granted to us by the Carnegie Corporation. Some new and startling work has been accomplished in this department. A public statement concerning which will be made in due course.

Similar statements can be made about many of the other scientific departments of the university.

Attention is especially called to Appendix V which contains a list of the publications of the University staff during the year. All this work is done in spare time and summer holidays.

The Department of Field Husbandry also has had a very active year producing seed for distribution. Special attention is being paid to the production of new and superior varieties of farm crops, agricultural experiments with farm crops and investigations of special problems connected with crop production. Dr. Newton's work on the nature of winter hardiness in crop plants and the nature of drought hardiness in crop plants, the first report upon which has already been published, will without question have far reaching effects in relation to crop production.

The Department of Animal Husbandry has had also a successful year. From page 40 onwards of the Agricultural Report, Appendix I, will be found the story of the winnings of the animals exhibited at the Royal Agricultural Winter Fair, Toronto, International Live Stock Exhibition, Chicago, and the Ottawa Winter Fair. It is reported with pleasure that the co-operation between the breeders of the province and this department still continues to the mutual advantage of both. Bulletins have been prepared with regard to the feeding experiments for the better production of young animals and for the best methods of feeding stock. These are available through the Extension Department

Dr. Collis in the Department of Biochemistry has been

collaborating with Dr. Fisher regarding his previous work on insulin.

For this purpose funds were granted to us by the Carnegie Corporation.

Some new and stimulating work has been accomplished in this department.

A public statement concerning which will be made in due course.

Similar statements can be made about many of the other

scientific departments of the university.

Attention is especially called to Department V which contains

a list of the publications of the University staff during the year.

All this work is done in spare time and without obligation.

The Department of Field Biology also has had a very active

year; increasing need for investigation. Special attention is being

paid to the production of new and superior varieties of farm crops.

Experimental investigations with farm crops and investigations of

animal problems connected with crop production. Dr. Heston's work

on the nature of winter hardiness in crop plants and the nature of

growth hardiness in crop plants, the first report upon which has

already been published, will without question have far-reaching

effects in relation to crop production.

The Department of Animal Husbandry has had also a successful

year. From page 40 onwards of the Agricultural Report, Appendix I,

will be found the story of the winners of the animals exhibited

at the Royal Agricultural Winter Fair, Toronto, International Live

Stock Exposition, Chicago, and the Ottawa Winter Fair. It is reported

with pleasure that the co-operation between the producers of the products

and this department will continue to the mutual advantage of both.

Experiments have been conducted with regard to the feeding experiments

for the better production of young animals and for the best methods

of feeding stock. There are available through the Extension Department

of the University.

It is suggested that the University may well be proud of the progress that has been made in the development of research within its laboratories during the past few years. The following list of publications for the year 1923-24 may be taken as an indication of the activity of the University staff in this connection:

It is suggested that the University may well be proud of the progress that has been made in the development of research within its laboratories during the past few years. The following list of publications for the year 1933-34 may be taken as an

indication of the activity of the University staff in this connection:

Publications by President Tery-

"Report on Agricultural Credit"- Dominion Government Document.

"The Valuation of Education"- Education and Life, being a report of the National Council of Education, published by the Oxford University Press.

"Education and Self Control"- Education and Life, being a report of the National Council of Education, published by the Oxford University Press.

"An Outlook upon our Times"- Annual Publication of Empire Club, Toronto.

"Science and Industry"

Testimony by President Ford

"Report on Agricultural Credits" - National Government

Document

"The History of Education" - Education and Life, being

a report of the National Council of Education, published

by the United States Government

"Education and Life" - Education and Life, being

a report of the National Council of Education, published

by the United States Government

"The United States and the World" - National Education of

Public Child, Toronto.

"Science and Industry"

Department of Anatomy

Paper published by Dr. R. F. Shaner,

Associate Professor of Anatomy:

"On the Muscular Architecture of the Vertebrate Ventricle "
Journal of Anatomy, Vol. 58, October, 1923.

Department of Biochemistry

Publications by Dr. J. B. Collip,

Professor of Biochemistry:

"Glucokinin"- A report on work and progress- Proceedings
of the American Medical Association, Section of
Pharmacology and Therapeutics, San Francisco meeting,
June 1923.

"Hypoglycemia"- Presented in symposium at the annual
meeting of the Minnesota State Medical Society,
St. Paul, October, 1923; Journal of the Minnesota State
Medical Society, October 1923. "

"Glucokinin", Third Paper, - Journal of Biological
Chemistry, November 1923.

"Some Recent Advances in Endocrinology"- Gordon Bell
Memorial Lecture, Winnipeg Medical Society, April 11th,
1924, published in the September number of the Canadian
Medical Association Journal.

Journal of Anatomy

Now published by Dr. R. E. Hunter,

Associate Professor of Anatomy

for the Anatomical Association of the British Empire

Journal of Anatomy, Vol. 58, October, 1923.

Department of Histology

Published by Dr. J. D. Collins,

Professor of Histology

"Histology" - A report on work and progress - Proceedings

of the Anatomical Association, Section of

Histology and Embryology, 1923, London meeting.

June 1923.

"Hypoglossal" - Presented in synopsis at the annual

meeting of the Minnesota State Medical Society,

St. Paul, October, 1923; Journal of the Minnesota State

Medical Society, October 1923.

"Glossopharyngeal" - Third Paper, - Journal of Histology

General, November 1923.

"From Recent Advances in Histology" - Garden Hall

Medical Society, January Medical Society, April 1924.

1924, published in the September number of the Canadian

Medical Association Journal.

Department of Botany

Publications by Dr. F. J. Lewis, Professor
of Botany:

"On the Phenomena attending low temperature in Evergreen
Leaves", - British Association, Toronto, 1924.

"The Vegetation of the Canadian Rockies"- British Association,
Toronto, 1924.

"AScheme for a Botanical Survey of Canada", - Imperial
Botanical Conference, London, 1924.

By C. E. Moser:

"Some Features in the Parasitism of Comandra and its
Resemblance to Mosaic Disease", British Association,
Toronto, 1924.

"Anomalous Root Structure in Caltha Palustris",
Annals of Botany, October, 1924.

By E. S. Dowling:

"On the Distribution of Potassium in Picea Canadensis
and Triticum (Wheat), British Association, Toronto, 1924.

Department of Botany

Publications by Dr. E. J. Davis, President

of Botany:

"On the Importance of the Botanical Association in the Dominion"

"Botany", - British Association, Toronto, 1904.

"The Vegetation of the Canadian Rockies", - British Association,

Toronto, 1904.

"Abstracts for a Botanical Survey of Canada", - Imperial

Botanical Conference, London, 1904.

By E. J. Davis:

"Some Remarks on the Position of Botany in the Dominion"

Reminiscences to the Botanical Association, British Association,

Toronto, 1904.

"Remarks on the Position of Botany in the Dominion"

Annals of Botany, October, 1904.

By E. J. Davis:

"On the Distribution of Botany in the Dominion"

and Botany (Wheat), British Association, Toronto, 1904.

Department of Classics

Publications by Dr. Geneva Misener,
Associate Professor of Classics:

"Iconiastic Portraits", - Classical Philology, April
1934, pages 97-124.

Department of Civil Engineering

Publication by I. F. Morrison, Professor
of Applied Mechanics and H. R. Webb, Lecturer in Civil Engineering:

"The Effect of Finely Divided Lignite Coal on the
Strength of Concrete"- read at the June meeting of the
American Society for Testing Materials and published
in the Proceedings of the American Society for Testing
Materials, 1934.

Papers by Professor G. A. Rebb, Mechanical
Engineering:

"Report of Committee on Combustion of Coal for the
Generation of Power" - being Report No. 11 Scientific
and Industrial Research Council of Alberta. Summary
published in their Fourth Annual Report.

"First General Report on Operation of Aero Engines
at Low Temperatures"- published in the report of the
Associate Air Research Committee of the Honorary
Advisory Council for Scientific and Industrial Research.

Department of Classics

Publication by Dr. Gennep Mission

Associate Professor of Classics

"Classical Literature" - Classical Philology, April

1934, pages 57-100.

Department of Civil Engineering

Publication by I. V. Morison, Professor

of Applied Mechanics and H. R. Wood, Lecturer in Civil Engineering

The Effect of Wind on the Stability of Structures

Proceedings of the Institution of Civil Engineers, 1934

London: Institution of Civil Engineers, 1934

in the Proceedings of the Institution of Civil Engineers

London, 1934.

Report by Professor C. A. Ridd, Mechanical

Engineering

Report of Committee on Construction of Canal for the

Construction of Power - being Report No. II Scientific

and Industrial Research Council of Alberta, Calgary

published in their Annual Report.

First General Report on Operation of Lake Highway

at New Thompson - published in the report of the

Associate Air Research Committee of the University

Advisory Council for Scientific and Industrial Research.

Department of Drawing and Descriptive Geometry

Text-book published by James Adam, Associate

Professor of Drawing and Descriptive Geometry:

"Lessons in Lettering"- published by the Institute of
Applied Art, Edmonton.

Department of Economics

Book published by Dr. D.A. MacGibbon, Professor

of Economics:

"An Introduction to Economics for Canadian Readers"

Department of English

Publication by Dr. E. E. Broadus, Professor of

English Literature:

"An Elizabeth Diarist", published in the Dalhousie Review
April, 1924.

By Mr. A.R. Jewitt, Instructor in English:

"Charles Kingsley: An Appreciation", awarded First Prize
of \$300 in the Dennis Prose Competition for Dalhousie
Students, and published in the Dalhousie Review for
July, 1924.

Department of English and Comparative Literature

Text-book published by James Allen, London

Professor of English and Comparative Literature

"Lectures in English" - published by the University of

Applied Art, London

Department of English

Book published by Dr. D. A. MacGibbon, Professor

of Economics

"An Introduction to Economics for Canadian Students"

Department of English

Publication by Dr. E. R. Brown, Professor of

English Literature

"The English Review", published in the English Review

April, 1904

by Dr. A. R. Lewis, Professor of English

"English Literature in English", edited by Dr. Lewis

of the English Press Commission for the English

Students, and published in the English Review for

July, 1904

Department of Geology

Publications by Dr. J.A.Allan, Professor of

Geology:

"Mineral Industry of Alberta in 1933", Canadian Mining Journal, Vol. 45, No 3, 1934, page 68.

"Geology along the Blackstone, Brazeau, and Pembina Rivers, in the Foothills of Alberta, (with R. L Rutherford), Report No 9, 1934, Scientific and Industrial Research Council of Alberta, 54 pages, 6 plates, 1 geological map and 5 profile sections.

"Geological Investigations during 1933, included in Report No 10, Fourth Annual Report, Scientific and Industrial Research Council of Alberta, pages 46 to 58, with one map showing coal areas in Alberta.

"The Wainwright Oil Fields", Economic and Financial Record, Vol. 1, No 4, June 1934, page 58.

Maps:

Map No 5, Geological Map of Blackstone, Brazeau and Pembina Rivers, Foothills belt, Alberta, in six colors, Scale 1:126,720 (1 inch to 2 miles)

Map No 6, Coal Areas of Alberta, based on geological formations in four colors, Scale 1:1,900,800 (1 inch to 30 miles)

Geological Survey of Canada

PUBLISHED BY THE GEOLOGICAL SURVEY OF CANADA

Geology

Annual Report of the Geological Survey of Canada, 1905

Volume 4, Part 2, No. 2, 1905, page 88.

Geology along the Mackenzie, Peace, and Pembina Rivers
in the Northwest Territories (with R. S. Macdonald), Report
No. 2, 1905, Geological and Industrial Research Council of
Alberta, 84 pages, 2 plates, 2 geological maps and 3 profile
sections.

Geological Investigations during 1905, included in Report

No. 10, Fourth Annual Report, Geological and Industrial

Research Council of Alberta, pages 48 to 55, with one map

showing coal areas in Alberta.

"The Northwest Old Fields", Economic and Geological Report,

Vol. 1, No. 4, June 1904, page 88.

Notes

Map No. 5, Geological Map of Mackenzie, Peace and Pembina

Rivers, Northwest Territories, Alberta, in six colors, Scale

1:125,000 (1 inch to 2 miles)

Map No. 6, Geological Map of Alberta, based on geological

formations in four colors, Scale 1:1,250,000 (1 inch to

20 miles)

Department of Geology, continued

Publications by D.S. Warren, Assistant Professor of Geology:

"Geology of the Banff Area," Geological Survey of Canada
publication, 165 page manuscript, 4 plates, 1 geological map.

By R. L. Rutherford, M.Sc., Industrial Research Department:

"Geology along the Blackstone, Brazeau and Pembina Rivers
in the foothills of Alberta" (with J.A.Allan), Report No 9,
1924, Scientific and Industrial Research Council of
Alberta, 54 pages, 6 plates, 1 geological map, 5 profile
sections.

"A Convenient Method for Checking the Index of a Liquid",
American Mineralogist, Vol. 9, No 10, August 1924,
pages 307-308.

"Corrosion by Saline Waters", Transactions of the Royal
Society of Canada, Vol. 18, Section 4, 1924.

Map No 5, Geological Map of Blackstone, Brazeau and Pembina
Rivers, foothills belt, in six colors, scale 1:125,720.
(1 inch to 2 miles)

Department of History

"Carleton and his first Council", Canadian Historical
Review, December 1923.

"A Short History of the League of Nations", University of
Alberta Press, May 1924.

Publications by R. S. Warren, Assistant Professor of Geology,
Geology of the Kootenai River, "Geological Survey of Canada
Publication, 1925, 100 pages, 2 plates, 1 geological map.

By R. S. Warren, M.Sc., Industrial Research Department,
Geology along the Kootenai River, British Columbia and Idaho
in the foothills of Alberta" (also J. A. Allen), Report No. 6,
1925, Scientific and Industrial Research Council of
Alberta, 64 pages, 6 plates, 1 geological map, 6 profiles
and 1 section.

"A Government Method for Checking the Index of a Map,"
Canadian Mineralogist, Vol. 2, No. 10, August 1924,
pages 227-228.

"Description of British Waters," Transactions of the Royal
Society of Canada, Vol. 19, Section 4, 1924.
Map No. 6, Geological Map of British Columbia, British and Indian
Rivers, footprints, in six colors, scale 1:150,000.
(1 inch = 3 miles)

Department of History

"Canadian and his first Governor," Canadian Historical
Review, December 1924.
"A Short History of the Province of British Columbia," University of
Alberta Press, May 1924.

Department of Mathematics

Publication by Dr. J.W.Campbell, Associate
Professor of Mathematics:

"On the Drift of Spinning Projectiles", Proceedings of the
Royal Society, Series A, Vol. 106, pp. 232-233.

Department of Physics

Publications by Professor R. W. Boyle, Dean
of the Faculty of Applied Science, and Charles D. Reid, M.Sc.:

"The Ultra-Sonic Beam" in a confidential report to the
Research Council of Canada.

By Stanly Smith, Associate Professor of Physics:

"Historical Note on the Diffraction by a Circular Aperture",
Transactions of the Royal Society of Canada, May, 1924.

Department of Physiology

Publication by Dr. A. W. Downs, Professor
of Physiology:

"The Present State of Our Knowledge Regarding Regeneration",
The Canadian Medical Association Journal, November 1923.

By Dr. A. W. Downs and Dr. H. B. Eddy:

"Secretin and a Suggestion as to Its Therapeutic Value",
Endocrinology, Nov. 1923, vii, 713.

Department of Mathematics

Publication by Dr. J. W. Campbell, Associate

Professor of Mathematics

"On the Basis of Geometric Principles", Proceedings of the

Royal Society, Series A, Vol. 105, pp. 1-15, 1935.

Department of Physics

Publication by Professor E. M. Ryle, Dean

of the Faculty of Applied Science, and Charles D. Bell, M.Sc.:

"The Ultra-Short Wave" in a condensed report to the

Research Council of Canada.

By Philip Smith, Assistant Professor of Physics

"Historical Note on the Diffraction by a Circular Aperture"

Transactions of the Royal Society of Canada, 1935, 1936.

Department of Physiology

Publication by Dr. A. N. Brown, Professor

of Physiology

"The Present Status of Our Knowledge Regarding Emotions"

The Canadian Medical Association Journal, November 1935.

By Dr. A. N. Brown and Dr. H. B. Hays

"Emotion and a Suggestion as to the Thoracic Vagus"

Neurophysiology, Nov. 1935, Vol. 1, 71.

Department of Zoology

Publication by Mr. W.J.K. Harkness, Instructor

in Zoology:

"The Rate of Growth and Food of the Lake Sturgeon
(*Acipenser rubicundus* Le Sauer)"- published in the
University of Toronto Studies, Biological Series
No 24, Publications of the Ontario Fisheries
Research Laboratory XVII-XXI.

Department of Zoology

Publication by Dr. W.L.K. Harrison, Instructor

in Zoology

"The State of Growth and Food of the Fishes"

(Teleostean Fishes in General) - published in the

University of Toronto Studies, Biological Series

No. 24, Publications of the Ontario Fisheries

Research Laboratory VIII-XII

Department of Animal Husbandry

By Professor J.P. Sackville-

"Production of Fall Pigs in Alberta"- University of
Alberta Bulletin No 7.

Department of Entomology

By Professor E. H. Strickland:

"Biological Notes on Parasites of Prairie Inhabiting
Cutworms"- Dominion of Canada, Department of
Agriculture Bulletin.

Department of Field Husbandry

By Professor H. Newton-

"Hardiness Studies in Winter Wheat"- Proceedings
Western Canada Society of Agronomists for 1923,
published December 1923.

"Colloidal Properties of Winter Wheat Plants in
Relation to Frost Resistance"- Journal of
Agricultural Science, vol. 14, part 2, pp. 175-181,
April 1924.

"The Responsibility of the Universities towards
Agriculture", (popular article) Scientific Agriculture
vol. 4, No. 3, pp. 229-236, April, 1924.

Department of Animal Husbandry

By Professor J. E. Smith

Department of Soil and Water Conservation

Alberta Bulletin No. 7

Department of Agriculture

By Professor H. H. Hocking

Biological Notes on Parasites of Prairie Insects

Edmonton, Department of Agriculture

Alberta Bulletin No. 10

Department of Plant Husbandry

By Professor H. Hocking

Plant Diseases in Western Canada - Proceedings

Western Canada Society of Agriculture for 1922

Edmonton, Alberta 1922

"Collected Papers of Walter T. Swingle in

Relation to Plant Husbandry - Journal of

Agricultural Science, vol. 14, part 2, pp. 175-181,

April 1922.

"The Responsibility of the University towards

Agriculture" (popular article) Scientific Agriculture

vol. 4, No. 2, pp. 222-226, April, 1924.

Department of Soils

Industrial Research Department

By Dr. F. A. Syth, Professor of Soils:

"Soils of the Lethbridge Northern Irrigation District"-

Irrigation Review, vol. 6, No.1 .

By Dr. J. D. Norton, Associate Professor of Soils-

"Measurements of Carbon Dioxide Evolved from the

Roots of Various Crop Plants"- Scientific Agriculture,

May, 1924.

Fourth Annual Report of the Scientific and
Industrial Research Council of Alberta, page 23.

"Measurements of Carbon Dioxide Evolved from the
Roots of Various Crop Plants"- Fourth Annual Report of
the Scientific and Industrial Council of Alberta, page 23.

"Practical Experiment in Microbial Soil and Atmosphere"-
Fourth Annual Report of the Scientific and Industrial Research
Council of Alberta, page 23.

"An End to Alberta Soil Erosion"- published in "West Coast"
(Edmonton), June 1924, page 23.

"Recent Developments in the Study of the Microbial Soil"-
The Press Bulletin, University of Alberta, March 1924.

Industrial Research Department

Publications by Professor H. Stannett:

"Algebraic Combinatorics and Operations of Groups" -
Lecture Notes, First General Report of the Algebraic Combinatorics

Board of Canada.

"Report on Algebraic Combinatorics" - First Annual Report of the
Scientific and Industrial Research Council of Alberta, page 10.

"Water in Coal" - Second Annual Report of the Scientific and

Industrial Research Council of Alberta, page 20.

Publications by Professor E.A. Smith:

"Algebraic Combinatorics and Operations of Groups" - First Annual Report of
the Scientific and Industrial Council of Alberta, page 20.

"Algebraic Combinatorics and Operations of Groups" - First Annual Report of the
Scientific and Industrial Research Council of Alberta, page 20.

Board of Canada.

"Algebraic Combinatorics and Operations of Groups" - First Annual Report of the

Scientific and Industrial Research Council of Alberta, page 20.

"Recent Developments in the Study of the Algebraic Combinatorics"

The Royal Society, University of Alberta, March 1954.

Extension Department

The Department of Extension has continued to function with great advantage to the University and to the public. A perusal of the Annual Report of the Director, Appendix II, will indicate to any one the great work being done by this department mainly for the benefit of country places and remote settlements.

Extension Department

The Department of Extension has continued to

function with great advance to the University and to the public.

A number of the Annual Report of the Director, Appendix II,

will indicate to say not the great work being done by this

Department mainly for the benefit of country women and youth

suffering.

The University Hospital

During the year, final arrangements were made for the transferring of the Strathcona Hospital to the University, which hospital has now become the University Hospital. In the meantime, the agreement entered into with the Dominion Government for the care of soldier patients had been completed and the administration of the property had been transferred to the University Board.

In enabling the University to secure possession of the hospital, the government followed a tradition well established on the North American Continent, viz., the securing of a central hospital under special state control for teaching purposes and for the care of such of the sick as would be a charge on the Public Health Department. For example, in the province of Nova Scotia there is a provincial hospital with 175 free beds and a private pavilion of 65 beds. This hospital is run in the interests of the Dalhousie Medical School. The State of Colorado has a general hospital and a Psychopathic hospital as well, each owned by the State and controlled in the interests of medical teaching. The States of Missouri, Maryland, Louisiana, Indiana, California, Iowa, Nebraska, Michigan, Pennsylvania and Wisconsin are all similarly situated. McGill University, Toronto University, and Queen's University are practically in the same position, their hospitals for teaching purposes being managed entirely, in so far as teaching is concerned, in the interests of their medical schools, although they have separate boards of management.

The securing of the University Hospital has enabled us to have a closed hospital where the treatment of patients is in the hands of a select group of physicians. This has enabled us to put our teaching on a first class basis. At the same time,

The University Hospital

During the year, final arrangements were made for

the transferring of the St. Joseph Hospital to the University, which hospital has now become the University Hospital. In the meantime the agreement entered into with the Board of Directors for the care of certain patients had been completed and the administration of the property had been transferred to the University Board.

In enabling the University to secure possession

of the hospital, the Government followed a tradition well established

on the part of the Government, viz., the securing of a central

hospital under special state control for teaching purposes and for

the care of much of the work as would be a charge on the Public Health

Department. For example, in the province of New South Wales there is

a provincial hospital with 125 beds and a separate provision of

65 beds. This hospital is run in the interests of the community

Medical School. The State of Colorado has a general hospital and

a Psychiatric hospital as well, each owned by the State and controlled

in the interests of medical teaching. The State of Missouri, Kentucky,

Indiana, Illinois, California, Iowa, Nebraska, Michigan, Pennsylvania

and Wisconsin are all actively interested. McGill University, Toronto

University, and Queen's University are practically in the same position,

their hospitals for teaching purposes being managed actively, in so

far as teaching is concerned, in the interests of their medical

schools, although they have separate boards of management.

The securing of the University Hospital has

enabled us to have a direct hospital under the management of certain

is in the hands of a select group of specialists. This has enabled

us to put our teaching on a firm basis. At the same time,

we have been able to render signal service to the Department of Health of the Province through our Out-Door Department by giving the services of our medical staff to a largenumber of cases which would otherwise be a charge against the Public Health Department and by providing hospitalization and professional care to such patients where necessary. It is estimated that the value of the services rendered in this way based on the schedule of charges allowed for the Workmen's Compensation Board amounted to not less than \$25,000 per year. This includes professional care of orthopaedic cases.

we have been able to render almost no service to the Department of
Health of the Province through our Out-Patient Department by giving
the services of our medical staff to a large number of cases which
would otherwise be a charge against the Public Health Department
and by providing hospitalization and professional care to most
patients where necessary. It is estimated that the value of
the services rendered in this way based on the schedule of
charges allowed for the Province's Compensation Board amounts
to not less than \$25,000 per year. This includes professional
care of orthopedic cases.

Pressing Requirements

Attention has been called in the annual report for the last two years to certain definite requirements, especially in connection with the Faculty of Agriculture.

Poultry

At the moment, there is neither teaching staff nor equipment for a department of Poultry Husbandry. Some years ago, we engaged a lecturer for this department and made use of the small poultry farm maintained by the government upon the University grounds. A year later, the Poultry Plant was removed to one of the government farms and is therefore no longer available to us. Then, our lecturer in Poultry accepted a position in another university on better terms than we could offer. In view of the fact that poultry teaching was being done to a limited extent in the Agricultural Schools, coupled with the necessity for retrenchment within the university two years ago, teaching in Poultry for the time being ceased. Now, that we are receiving students directly from the high schools of the province, who therefore have not had any instruction whatever in poultry, there is an urgent necessity for us to secure a lecturer in Poultry Husbandry and sufficient equipment and birds to give instruction in this subject. So far as I know, we are the only Agricultural College in Canada in which a Poultry Department is not one of the considerable departments in the Agricultural Faculty. For some time, the Poultry Breeders' Association has been urging the matter upon the attention of the Board of Governors and, I believe, upon the Government.

Attention has been called in the annual report for the last two years to certain deficiencies, especially in connection with the Faculty of Agriculture.

Faculty

At the moment, there is neither teaching staff nor equipment for a department of Veterinary Medicine. Some years ago, we engaged a lecturer for this department and made use of the small poultry farm maintained by the Government upon the University grounds. A year later, the Poultry Plant was removed to one of the Government farms and is therefore no longer available to us. Then, our lecturer in Poultry accepted a position in another university on better terms than we could offer. In view of the fact that poultry farming was being done to a limited extent in the Agricultural College, connected with the necessity for representation within the university two years ago, teaching in Poultry for the time being ceased. Now, that we are receiving students directly from the high schools of the province, who therefore have not had any instruction whatever in Poultry, there is an urgent necessity for us to secure a lecturer in Poultry. Horticulture and allied subjects and birds of this institution in this subject. So far as I know, we are the only Agricultural College in Canada in which a Poultry Department is not one of the scientific departments in the Agricultural Faculty. For some time, the Poultry Breeder's Association has been urging the matter upon the attention of the Board of Governors and, I believe, upon the Government.

Horticulture

The Horticultural Department, which, with the limited means at its disposal, has done excellent work, can hardly be said to be more than the beginning of a department. There is urgent need also for expansion and research in this department. Enough has been done to show, after careful study and selective breeding, that great varieties of plants of an economic character and also those suitable for ornamentation can be cultivated in the province.

Dairying

At the present moment, the Dairy Department is housed in a small overcrowded room in the Department of Civil Engineering. This department was started four years ago to meet the pressure from the rapidly growing dairy industry. Dr. Marker, Provincial Dairy Commissioner, was appointed to take charge of the department, carrying on his duties as Dairy Commissioner simultaneously with the requirements of the university. The department was given the only space available at the time, with the understanding that provision would be made for the erection of a building suitable for demonstration and research. The dairy industry of the province has grown very rapidly since that time. The 54 creameries of 1923 have grown to 89 creameries in 1924 and the production of butter from 15,000,000 pounds at the former date to 21,900,000 pounds in 1924. There is little doubt that in 1925 it will reach 25,000,000 pounds. The Dairy Commissioner has been urging for the last three years that expansion was absolutely necessary to take care of the work in a normal way.

Agricultural Engineering

The Department of Agricultural Engineering at the moment is housed in a small space in one of the laboratories which is required for the expansion of the work in the Department of Field

Husbandry. As a consequence, these departments are so crowded that the work of both is badly hampered. In view of the limited space for the Agricultural Engineering, we have only been able to accommodate and in a very crowded manner, a small part of the equipment that we would like to use in giving instruction. This equipment has generously been loaned to us by the implement companies. Practically no power equipment is available and exceedingly limited instruction can be given in this subject which plays such an important part in agriculture in the Province. A small separate building for Agricultural Engineering is urgently required, where free from the danger of fire, power equipment can be used and shop-work can be done.

Agricultural Research

In addition to the equipment of the foregoing departments, there is a very great need for largely extending the work of agricultural research. At the present moment, the Field Husbandry Department is receiving assistance from the National Research Council of Canada in carrying on investigation into the winter hardiness and drought hardiness of plants. These investigations have a promise of great economic value. Many problems of equal economic importance present themselves for solution in this department.

1. Among these I would place the culture of wheat in relation to environmental factors. While the average quality of wheat grown in Alberta is good, it differs greatly in different localities and is therefore not of uniform quality. Some districts in Alberta have been blacklisted by the milling companies. The causes leading to this should be thoroughly investigated both in relation to the wheat grown and the quality of the soil producing it. Without question under the

...to a considerable extent, these departments are so crowded that
the work of both is badly hampered. In view of the limited space
for the Agricultural Experiment Station, we have only been able to accommodate
and in a very crowded manner, a small part of the equipment that we would
like to use in this investigation. This equipment has necessarily been
packed so as by the incoming committee. Presumably no other equipment
is available and consequently limited investigation can be given in this
subject which gives such an important part in agriculture in the Province.
A small separate building for Agricultural Machinery is urgently
needed, where from the danger of fire, power equipment can be
kept and equipment can be used.

Experimental Research

In addition to the equipment of the Province, there is a very great need for largely increasing the work of experimental
research. At the present moment, the Field Research Department is
receiving assistance from the Federal Research Council of Canada in
carrying on investigations into the water problems and their relations
of fishes. These investigations have a number of great economic values.
Many projects of equal scientific importance present themselves for
attention in this department.

I. Among these I would place the subject of water in relation to
environmental factors. While the water quality of the river in
Albion is good, it differs greatly in different localities
and is therefore not of uniform quality. Some districts in the river have
been classified by the fishing committee. The causes leading to this
should be thoroughly investigated both in relation to the water from
the quality of the soil producing it. Without question under the

proposed new chemical grading of wheat, wheat growers in these districts will suffer very materially, unless varieties of wheat can be found suitable for these particular conditions.

2. Another problem which requires immediate investigation is the cause of failure of seed setting in alfalfa. In recent years, this has become a growing source of loss and anxiety in the irrigated sections of the country.

3. The third study that should be proceeded with is the cause of hulling with timothy seed. The growth of timothy has become a well established industry in the province, especially in the southern part. As is well known a large percentage of the hulling takes place during the threshing operations with a very heavy annual loss to the grower. The correlation of the growing of seed and climatic conditions should be thoroughly investigated in the hope of repairing this loss. These are mentioned as outstanding examples of work in this field requiring investigation.

4. Up to the present no investigational work of any significance has been done in this province with regard to varieties of plant diseases which take such a heavy toll from the farmers of the country. It is estimated that in a normal year the loss in this way is approximately 15% and in an epidemic year as high as 30% in particular crops. As an illustration of the type of disease, we might cite cereal, clover and corn root rot. We have been forced at the university to discontinue continuous wheat culture experiments in particular plots because of the presence of root rot which made such invasions as to overshadow all other factors limiting the yield. Another illustration of the same thing is shown in the reports of potato inspection in the province. In the year 1923, over 50% of the acreage was rejected as unfit for seed on account of the prevalence of disease

proposed new standard grading of wheat, about 1900, in these districts
will suffer very seriously, unless varieties of wheat can be found
suitable for these particular conditions.

2. Another problem which requires immediate investigation is the
cause of failure of seed sowing in winter. In recent years, this has
become a growing source of loss and anxiety to the irrigated sections
of the country.

3. The third study that should be undertaken with in the scope of
bulletin also closely need. The growth of wheat requires a well
established industry in the province, especially in the southern part.
As it will require a large investment at the initial stage during
the breeding operation with a very heavy annual loss to the grower.
The investigation of the growth of wheat and other cereals should
be thoroughly investigated in the hope of securing this loss. These
are mentioned as important examples of work in this field requiring
investigation.

4. Up to the present no investigation has been made of any significant
has been done in this province with regard to varieties of wheat
discussed which have been a heavy loss from the farmers of the country. It
is estimated that in a normal year the loss is this way is approximately
15% and in an extreme year as high as 50% in particular crops. As an
illustration of the type of disease which is common in wheat and corn
root rot. It has been found at the university to be a common continuous
disease which is prevalent in particular crops because of the presence
of root rot which will result in the destruction of all other crops
limiting the yield. Another illustration of the same thing is shown
in the reports of potato infection in the province. In the year 1905,
over 50% of the potato crop was reported as being lost because
of the prevalence of disease.

5. Scientists are now agreed that the production of resistant and immune varieties present the best hope for the solution of the plant disease problem. The significance of this is seen at once when it is added that the whole problem of immunity from the point of view of economic plants remains absolutely untouched in this country. It is respectfully urged that these matters are of such economic importance to the future of our province that we cannot afford to ignore them longer.

 A similar list of problems can be made for each of the large agricultural departments of the university. This is especially true with the problems presented to the Entomological Department. During the year, we have been fortunate enough to get the assistance of the National Research Council for an investigation under Professor Strickland in connection with the wire-worm. This is only one of the many similar problems with which the Entomological Department is finding itself faced, the solution of which means great economic advantage to the province.

I attach, herewith, as Appendices to this Report
the following special reports:

The Report of the Faculty of Agriculture, as Appendix I.

The Report of the Department of Extension, as Appendix II.

The Report of the Provincial Laboratory, as Appendix III.

The Report of the Industrial Laboratory, as Appendix IV.

I attach, herewith, as appendices to this Report

the following special reports:

The Report of the Ministry of Agriculture, as Appendix I.

The Report of the Department of Education, as Appendix II.

The Report of the Provincial Laboratory, as Appendix III.

The Report of the Industrial Laboratory, as Appendix IV.

APPENDIX I

.....

THE REPORT OF THE FACULTY OF AGRICULTURE

.....

REPORT OF THE COLLEGE OF AGRICULTURE

FOR THE YEAR 1924

The enrolment of the students in the College of Agriculture for the year 1924 was as follows:

Spring Term

First Year B.S.A.....	25
" " B.Sc.....	10
Second Year B.S.A.....	13
" " B.Sc.....	2
Third Year B.S.A.....	10
" " B.Sc.....	15
Fourth Year B.Sc.....	10
Combined Course - Arts and Agri- culture.....	5
Graduate Students.....	9
Household Economics.....	6
Special Students.....	1
Short Course.....	<u>52</u>
Total.....	158

Fall Term

First Year B.Sc.....	8
Second " B.Sc.....	9
" " B.S.A.....	14
Third Year B.Sc.....	4
" " B.S.A.....	6
Fourth Year B.Sc.....	17
Combined Course - Arts and Agri- culture.....	3

REPORT OF THE BOARD OF AGRICULTURE

FOR THE YEAR 1934

The amount of the amount in the College of Agriculture for the year 1934 was as follows:

Spring Term

First Year A.B.A.	25
" " B.Sc.	10
Second Year A.B.A.	15
" " B.Sc.	5
Third Year A.B.A.	10
" " B.Sc.	15
Fourth Year A.B.A.	10
Combined Course - Arts and Agri- culture	5
Graduate Students	5
Residential Economics	5
Special Students	1
Short Courses	5
Total	125

Fall Term

First Year A.B.A.	25
Second " B.Sc.	5
" " B.A.A.	15
Third Year A.B.A.	5
" " B.A.A.	5
Fourth Year A.B.A.	15
Combined Course - Arts and Agri- culture	5

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

Graduate Students.....	17
Household Economics.....	4
Short Course.....	11
Special Student.....	<u>1</u>
Total.....	94

The attendance as recorded for the spring term 1924 is the highest in the history of the College of Agriculture. The record for the fall term is necessarily smaller because the short courses are largely held during the spring term. There is another reason however. As reported last year a new course is being offered, four years in extent, with a modified form of junior matriculation as entrance requirement. The effect of this is felt for the first time this year in that it has curtailed the attendance of graduates from the Schools of Agriculture, because of the fact that this year very few of the students were up to the new admission requirements. Inasmuch as the large part of our freshman attendance has always been derived from the Schools of Agriculture, and because of the fact that those from the Schools of Agriculture wishing to attend have not yet had time to make up their deficiencies, there has been a falling off, for this year only it is hoped. To meet the demand created by the new admission requirement, the Department

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

Graduate students.....	17
Household economics.....	4
Text courses.....	11
Special students.....	<u>1</u>
Total.....	32

The attendance as reported for the spring term 1924 is the highest in the history of the College of Agriculture. The report for the fall term is necessarily smaller because the short courses are largely held during the spring term. There is another reason, however, as reported last year a new course in being offered, four years in extent, with a modified form of junior matriculation as entrance requirement. The effect of this is felt for the first time this year in that it has curtailed the attendance of graduates from the schools of Agriculture, because of the fact that this year very few of the students went up to the new admission requirements. Inasmuch as the large part of our freshmen attendance has always been derived from the schools of Agriculture, and because of the fact that these from the schools of Agriculture wishing to attend have not yet had time to make up their decisions, there has been a falling off, for this year only it is hoped. To meet the demand created by the new admission requirements, the Department

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

of Agriculture has put on a course at the School of Agriculture at Olds, which offers a training in the subjects required for matriculation into the College of Agriculture. Practically every College of Agriculture on the continent now requires junior matriculation for entrance into any course leading to a degree, and it was felt that some attempt should be made to raise the standard of the course in the College of Agriculture in the University so as to put our College on a par with those of other institutions.

The report in regard to the graduates of this institution is a gratifying one. Some of them already have made a high mark in their chosen profession, while many are going on for further scientific training. A survey of the list of graduates since the College opened shows that about thirty-three per cent are now engaged in farming which, by the way is a somewhat higher percentage than the average record for college graduates; about thirty-three percent are engaged in Government service of one kind and another; the remainder are taking graduate work and doing teaching and research work in other educational institutions. At this college seventeen boys are engaged in graduate work.

Keith Tester won the Governor General's Gold Medal for the highest standing in the last two years of the work. C.E. Yauch was awarded a Scholarship at Macdonald College.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

of Agriculture has not as a course at the school of
Agriculture at Ohio, which offers a training in the subjects
required for matriculation into the College of Agri-
culture. Practically every College of Agriculture in
the continent now requires higher matriculation for
entrance into any course leading to a degree, and it was
felt that some attempt should be made to raise the standard
of the course in the College of Agriculture in the University
up to an equal one with those of other
institutions.

The report in regard to the graduation of this institu-
tion is a gratifying one. Some of them already have made
a high mark in their chosen profession, while many are
going on for further scientific training. A survey of the
list of graduates since the College opened shows that about
thirty-three per cent are now engaged in farming which, by
the way is a somewhat higher percentage than the average
for a for college graduates; about thirty-three per cent
are engaged in Government service of one kind and another;
the remainder are taking graduate work and doing research
and research work in other educational institutions. At
this college seventeen boys are engaged in graduate work.
Keith Foster won the Governor General's Gold Medal
for the highest standing in the last two years of the work.
O.S. Finch was awarded a Scholarship at Iowa State College.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

John Walker was awarded a Scholarship at the University of Minnesota. W.F.Hanna was awarded a Fellowship at the University of Minnesota, and C.B.Sanford and Andrew Cairns are continuing their work at that institution.

A special word of recommendation might be offered in regard to the short courses in professional Dairying, under the direction of Dr. Marker. There is a particular significance attached to these courses, owing to the high standard attained by dairy products in Alberta. These courses offer a splendid opportunity not only for technical training but for an exchange of experiences.

A few young men are taking advantage of the opportunity to take a month or two as special students in Agriculture; there is no reason why this number should not be very much larger, because the work offered is practical, and puts this type of student in direct contact with the important experimental work carried on in the leading departments of the College.

Most gratifying expressions of appreciation and encouragement have been received in connection with the work of Agricultural Publications Committee. Under its auspices we have now had printed publications as follows:

1. Roughages for Wintering Pregnant Ewes.
2. Growing Sweet Clover.
3. Growing Registered Seed in Alberta.
4. Alsasuede Red Clover.
5. Potato Diseases.
6. Plows and Plowing.
7. The Production of Fall Rigs in Alberta

REPORT ON THE COMMISSION OF INVESTIGATION INTO THE SITUATION

John Baker was awarded a scholarship at the University of Minnesota. F. E. Evans was awarded a fellowship at the University of Minnesota, and E. A. Bennett and Andrew Wilson are continuing their work at that institution. A special word of commendation might be offered in regard to the short courses in professional training; under the direction of Mr. Nathan, there is a particular emphasis placed on these courses, owing to the high standards attained by daily progress in Alberta. These courses offer a scientific opportunity not only for technical training but for an exchange of experiences.

A few young men are taking advantage of the opportunity to take a month or two as special students in agriculture; there is no reason why this number should not be very much larger, because the work offered is practical, and since this type of student is direct contact with the important experimental work carried on in the leading departments of the College.

Most gratifying expressions of appreciation and encouragement have been received in connection with the work of Agricultural Extension and Extension Committees. Under the auspices of the new and revised curriculum in

follows:

1. Courses for winter students.
2. Growing wheat crops.
3. Growing leguminous food in Alberta.
4. Alfalfa and clover.
5. Potato diseases.
6. Pests and diseases.
7. The production of milk pigs in Alberta.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

8. Oats vs. Sunflower Silage for Fattening Steers.
9. The Use of Rope on the Farm.

Cir. No.

2. Howes' Alberta Flint Corn.
3. Steer Feeding in Alberta.

Research Bulletin No.

1. The Nature and Practical Measurement of Frost Resistance in Winter Wheat.

The demand for these in many cases has already exceeded the supply and reprints have been necessary. These publications are not mere expressions of opinion, nor are they compilations of more or less irregular experiences of others. For the most part they are the definite records of investigations carried on by trained men in the different departments of the College. They have been made as readable as possible consistent with accuracy and reliability of report.

It will be noticed that much of the report has to do with investigational work. In the main each Department will detail its own work, but a word might here be said in explanation of the large amount of this work carried on by the College of Agriculture. The following extract from a statement submitted by the Dean before many Boards of Trade and U.F.A. Locals during the past year is offered.

"We all admit that agriculture is very important in our scheme of things. Also no sane man will contend that our understanding of the varied agricultural processes is perfect but rather that we must always strive for improvement if we would not eventually slip back. Granted these two premises, we must look to trained men to study out for us better things in agriculture, whether it be of soil, plant, or animal, and it is submitted that the best place of all to carry out this work is at an educational institution. We need the brightest and most active minds in the service of

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1904

1. Oats vs. Buckwheat: Effects for Feeding Horses.
2. The Use of Hops on the Farm.

3. Hops, Hops, Hops.
4. Hops, Hops, Hops.
5. Hops, Hops, Hops.

6. Hops, Hops, Hops.
7. Hops, Hops, Hops.
8. Hops, Hops, Hops.

The demand for hops in this season has already exceeded the supply and farmers have been necessary. These conditions show that hops are not more expensive of cultivation, nor are they more difficult of harvest or less irregular in quality of crop. For the most part they are the definite product of investment and are carried on by trained men in the different departments of the College. They have been made as reliable as possible and consistent with necessary and reliability of report. It will be noticed that much of the report has to do with international work. In the main each department will handle its own work, but a word might here be said in explanation of the large amount of this work carried on by the College of Agriculture. The following extracts from a statement submitted by the Dean before many boards of Trade and U.S.A. Exports during the past year is offered:

"We all admit that agriculture is very important in our scheme of things. This no man will contend that our understanding of the world's agricultural resources is not but rather that we must always strive for improvement. It is not essentially a big book. Granted that we are not so much to be trained as to be ready for the future, we must look to the future. Whether it be of soil, plant, or animal, it is essential that the best piece of all be carried out this work in an educational institution. It is the brightest and most active mind in the service of

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

our students, and these are to be found among those who are interested in the research side of our work, those who are earnestly probing into the unknown, striving for "whatsoever things are true". Then too the necessity for teaching is a good tonic for the man of research, for while it does not preclude his keeping his head a bit above the clouds, it is a reliable insurance that he must also keep his feet on the ground.

Elsewhere reports will be given of those Departments connected with the Faculty of Agriculture which are not directly agricultural. Our students have courses in Chemistry, Physics, Biology, Bacteriology, Zoology, Political Economy, English and Mathematics. This work is put on by the departments which serve all the Faculties of the University.

Following is a report by departments of what may be described as the directly agricultural work of the College.

DEPARTMENT OF POULTRY

No courses are given in this department although space has been left for such in the time-table. It is hoped that a Professor of Poultry will be appointed in time for the fall term. This would be followed by equipment for investigational work. The most satisfactory result of the investigational work carried on under the Departments of Dairying, Veterinary Science, Field Husbandry, and all the other departments of the College is sufficient reason for following the same course in an important department like Poultry. It should be pointed out that there is a particular

ar

REPORT OF THE CHAIRMAN OF AGRICULTURE FOR THE YEAR 1921

our mission, and these are to be found among those who are interested in the various side of our work, those who are seriously studying into the various, striving for "whatsoever things are true". Then too the necessity for teaching is a good thing for the use of research, for while it does not exclude his keeping his hand a bit above the clouds, it is a valuable insurance that he must also keep his feet on the ground.

His reports will be given of those departments connected with the Faculty of Agriculture which are not directly agricultural. Our students have courses in Chemistry, Physics, Biology, Botany, Zoology, and other sciences. This work is not in the departments which are all the necessities of the University.

Following is a report by department of what may be described as the directly agricultural work of the College.

DEPARTMENT OF AGRICULTURE

No courses are given in this department although we have a staff for such in the time-table. It is hoped that a Professor of Agronomy will be appointed in time for the fall term. This would be followed by equipment for many important work. The most satisfactory results of the latest practical work carried on under the department of Botany, Veterinary Science, Field Husbandry, and all the other departments of the College is certainly reason for following the same course in an important department like Pathology. It should be pointed out that there is a certain

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

field for investigation in regard to Poultry as far as Alberta is concerned. There has been very little of a directly scientific nature reported, and aside from the necessity of this work for the instruction of our students, there is a large field for service through scientific investigation into poultry troubles throughout the province. In other provinces also the Department of Poultry in the University has become the centre for breed and other records as carried on under the auspices of the Federal Department of Agriculture.

HORTICULTURAL DEPARTMENT

The excellent growing season of 1923 carried growth late into the fall, but the open weather until Christmas allowed the wood to ripen thoroughly; this with a comparatively mild winter, and the ground covered with snow before very severe frosts occurred, brought all the trees and shrubs in the permanent plantations through the winter with practically no loss. Growth started well in the spring but owing to light rainfall was not as abundant as the previous year. Late spring frosts, the attack of caterpillars, and the dry season cut down the yield of all fruits.

The great bulk of the old perennials came through the winter with little loss. So also did the plots of new seedlings. Some of the latter were planted in the

REPORT OF THE DIRECTOR OF AGRICULTURE FOR THE YEAR 1923

Field for investigation is reported to be fairly good as far as
Alfalfa is concerned. There has been very little of a
directly scientific nature reported, and aside from the
necessity of this work for the instruction of our students
there is a large field for service through scientific
investigation into many things throughout the province.
In other provinces also the department of agriculture is the
University has known the nature for food and other reports
as carried on under the auspices of the Federal Department
of Agriculture.

WINTER WHEAT IN ALBERTA

The reported growing season of 1923 carried through
into June the fall, and the crop season will be
allowed the seed to ripen thoroughly, this with a moderate
active mild winter, and the ground covered with snow before
very severe frosts occurred, through all the snow and
straw in the permanent plantations through the winter with
practically no loss. Growth started well in the spring
but owing to light rainfall was not as abundant as the
previous year. Late spring frosts, the effect of water-
logging, and the dry season cut down the yield of all fruit
The great bulk of the old cereals come through
the winter with little loss. So also did the crops of new
seedlings. Some of the losses were planted in the

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

permanent perennial border for further trial. The balance was moved to the plots and beds around the University Hospital, where once established they will need but little attention for years. Later the left overs from the annual bedding plants were added to those set out as well. The result was that the beds around the hospital looked well and added to the appearance of the place.

The long caragana hedge on the north side of the main drive wintered well and made excellent growth. In addition many hundreds of young seedlings caragana were put into shape for setting out in the spring of 1925.

Quite a few spruce, pines, Russian poplars, elms and maples were set out as shade and ornamental trees. A few died on account of dry weather and were replaced in the fall.

A large number of the first plantation of apples, crab apples, and plums were dug up as it was evident they were winter injured to such a degree that they would not make successful trees. The ground is ready for replanting. These trees remaining blossomed well, but set a small amount of fruit, owing to cold wet weather and frost at the time fertilization should have been taking place.

Currants came through the winter in good shape, but the yield of red and white varieties was small owing to the dry weather at harvest time. The yield of black currants was much better and well up to the average. A few more new

Permanent personnel order for further trial. The

balance was moved to the place and beds around the

University Hospital. There were established they will need

but little attention for years. After the first cover

from the annual bedding plants were added to those set out

as well. The result was that the beds around the hospital

looked well and added to the appearance of the place.

The long exposure beds on the north side of the main

drive wintered well and made excellent growth. In

addition many hundreds of young seedling cypresses were set

into shape for setting out in the spring of 1925.

While a few spruces, firs, Russian poplars, alders and

maples were set out as shade and ornamental trees. A few

also on account of dry weather and were replaced in the fall.

A large number of the first plantings of spruces, firs,

maples, and alders were damaged as it was evident they were

either injured to such a degree that they would not make

successful trees. The ground is ready for replanting.

Those trees remaining blossomed well, but set a small amount

of fruit, owing to cold wet weather and frost at the time

fertilization should have been taking place.

Outcrops came through the winter in good shape, but

yield of red and white varieties was small owing to the dry

weather at harvest time. The yield of blue corn was

much better and well up to the average. A few more new

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

varieties were planted.

Raspberries grew too late the previous fall, and were thus somewhat subject to winter killing, and the yield in consequence much below the average. The growth during the year was satisfactory and a good stand is ready for the next year.

Some 600 young Russian poplars, 200 lilacs, and 300 caragana were set out in the nursery rows to grow for planting out later.

DEPARTMENT OF ENTOMOLOGY

Three courses are offered by this department. Two of the graduate students have proceeded to other institutions to take advanced work.

The department is fortunate in having secured the services of an Honorary Curator for the insect collections; Mr. Owen Bryant, who has been an extensive collector in many parts of America, and who has contributed much valuable material to the University collection. It might be explained that Mr. Bryant has spent his summer in collecting in different parts of the province, and the specimens he obtained are being mounted and named for inclusion in the reference collection. Sufficient cabinets have been obtained for housing part of the collection which now consist of between ten and fifteen thousand named specimens, and a

REPORT OF THE COMMISSIONER OF AGRICULTURE FOR THE YEAR 1924

varieties were raised.

Harvesting began in late the previous fall, and were
then somewhat subject to winter killing, and the yield in
consequence was below the average. The growth during the
year was satisfactory and a good stand is ready for the
next year.

Some 600 young Russian geese, 200 ducks, and 200
geese were sent out in the nursery rows to grow for plant-
ing out later.

DEPARTMENT OF AGRICULTURE

Three courses are offered by this department. Two of
the graduate students have proceeded to other institutions
to take advanced work.

The department is fortunate in having secured the
services of an Honorary Director for the insect collection
Mr. Chen Bryant, who has been an extensive collector in
many parts of America, and who has accumulated much valuable
material to the University collection. It should be
explained that Mr. Bryant has spent his summer in collecting
in different parts of the province, and the specimens he
obtained are being mounted and stored for inclusion in the
reference collection. Specimens still to be seen
obtained for mounting parts of the collection which are sent
of between ten and fifteen thousand named specimens, and a

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

large amount of unnamed material.

We are glad to report that the outbreak of grasshoppers which has threatened the grain producing areas of the province since 1918, has been successfully terminated with the possible exception of a small area in the Peace River district. Owing to the energy with which the control campaign was prosecuted in 1922 and 1923 under the direction of the Department of Agriculture very few districts were infested in the spring of 1924. Before the season opened these districts were visited and a series of addresses were delivered in which the farmers were urged to make a final effort to eradicate the pest. A small reinfestation in the extreme south from the adjoining territory in the State of Montana, which was completely devastated in 1923, was satisfactorily suppressed. As a result of a very active campaign no further danger is anticipated from this source.

Though a survey of the area now known to be infested with Wheat Stem Sawfly could not be made this year, correspondence indicates that there has been no serious increase in the prevalence of this pest. Up to the present time the Sawfly, which is conceded to be the most serious menace of wheat production in Manitoba and in parts of Saskatchewan has not caused severe losses in Alberta; but it is felt that unless steps are taken by the farmers in the districts now

large amount of unpaid material.

We are glad to report that the order of the

provisions which have been tested the first production of
the province since 1910, has been successfully terminated
with the possible exception of a small area in the
River district. Owing to the energy with which the

control campaign was prosecuted in 1922 and 1923 under the
direction of the Department of Agriculture very few districts
were infected in the spring of 1924. Before the season
opened these districts were visited and a series of addresses
were delivered in which the farmers were urged to make a
final effort to eradicate the pest. A small infestation
in the extreme south from the adjoining territory in the
State of Montana, which was completely devastated in 1923,
was satisfactorily suppressed. As a result of a very
active campaign no further danger is anticipated from this
source.

Though a survey of the area now known to be infested
with West Nile fever could not be made this year, corre-
spondence indicates that there has been no further increase
in the prevalence of this pest. Up to the present time
the fever, which is considered to be the most serious menace
of West Nile fever in Manitoba and in parts of Saskatchewan
has not caused serious losses in Alberta; but it is felt
unless steps are taken by the farmers in the districts now

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

known to be infested to prevent its establishment, this insect may develop into one of the major wheat pests of the province. For this reason a poster was prepared for distribution by the Department of Agriculture throughout the infested territory, and a Press Bulletin has been issued, from the University, in which the life-history and methods for control are fully described.

Wireworms cause annually increasing losses in many districts where the rainfall is light and the soil is inclined to be sandy. Unfortunately we have little accurate knowledge regarding the life-history and habits of these pests. These are, however, known to be at variance with those of species in which they have been carefully studied. It is essential that a thorough investigation be made of the grain infesting species found in Alberta before adequate measures for their control can be developed. A Press bulletin was prepared in which our present knowledge is outlined and provisional control measures advocated.

The outbreak of Tent Caterpillars which developed in the neighbourhood of Edmonton during the past three years reached its climax this summer. Since this pest breeds upon the abundant native growth of aspen poplars little could be done to mitigate the nuisance. Press bulletins

REPORT OF THE COMMISSION ON AGRICULTURE FOR THE YEAR 1934

known to be infested to prevent the establishment, this insect may develop into one of the major wheat pests of the province. For this reason a poster was prepared for distribution by the Department of Agriculture through one the infested territory, and a Press Bulletin has been issued, from the University, in which the life-history and methods for control are fully described.

Sixth-year cases annually increasing insects in many districts where the rainfall is light and the soil is inclined to be sandy. Unfortunately we have little accurate knowledge regarding the life-history and habits of these pests. These are, however, known to be at variance with those of species in which they have been carefully studied. It is essential that a thorough investigation be made of the grain infesting species found in Alberta before adequate measures for their control can be instituted. A Press Bulletin was prepared in which our present knowledge is outlined and provisional control measures advocated.

The outbreak of Leaf Caterpillars which is staged in the neighborhood of Edmonton during the past three years reached its climax this summer. Since this pest breeds upon the abundant native growth of aspen poplars little could be done to mitigate the nuisance. From Bulletin

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

and other articles were issued in the fall and spring in which methods for protecting ornamental trees were outlined. Everyone was urged to protect their trees, in so far as possible from defoliation, but this necessitated action being taken before the caterpillars appeared in destructive numbers, and the response to our appeal was not very encouraging. Heavy parasitism and disease together with a high mortality from starvation, so greatly decreased the numbers of the pest before maturity, that few eggs were laid, and in the immediate vicinity of Edmonton, no serious recurrence of the outbreak is to be feared. Abundant rains towards the end of the summer enabled most of the defoliated trees to produce a second growth of foliage.

Cutworms have been less numerous than usual and few requests for information regarding their control have been received.

Blister Beetles have been unusually abundant in many districts, and seriously injured Caragana hedges. The use of a 'combined' spray readily controlled the pest.

Other insects regarding which information was sought included. Flea beetles, and Root Maggots, both of which have been very numerous on cruciferous crops, and Bibionid larvae attacking potatoes. (A new record of injury in America though occasionally reported in Europe).

REPORT OF THE HOUSE OF REPRESENTATIVES FOR THE YEAR 1984

and other articles were located in the Hall and during
in which methods for processing ornamental trees were
outlined. Everyone was urged to protect their trees,
in so far as possible from defoliation, but this necess-
itated action being taken before the anticipated damage
in decorative nurseries, and the response to our appeal was
not very encouraging. Heavy rain and disease
together with a high mortality from starvation, so greatly
depressed the numbers of the host before maturity, that few
eggs were laid, and in the immediate vicinity of Hampton,
no serious reduction of the outbreak is to be feared.
Admittedly, towards the end of the summer, conditions most
of the defoliated trees to produce a second growth of
foliage.
Gastrophys have been less numerous than usual and the
response for information regarding their control have been
received.
Historical studies have been unusually abundant in many
instances, and especially in the Cornish region. The
use of a 'combined' survey readily controlled the host.
Other insects regarding which information was sought
included, the beetle, and host weevils, both of which
have been very numerous on ornamental trees, and especially
in the vicinity of Hampton. (A new record of injury in
Hampton though not reported in Europe).

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

AGRICULTURAL ENGINEERING

Five courses were given as follows:

Three courses in Farm Machinery, Farm Buildings, and Farm Motors. This work is somewhat handicapped by lack of adequate space and also the want of certain equipment. There is also a need for facilities to put on proper shop work, since the students who have not attended a School of Agriculture previous to entering the University are so far unable to get this phase of the work.

The College of Agriculture is much indebted to the various Implement Companies because of their readiness to cooperate in supplying as much machinery for demonstration as we can accommodate. We have a very fine collection of Farm machinery, and this, almost without exception, has been placed at our disposal through the kind interest of these companies.

During the year this department is in receipt of many inquiries of a more or less technical nature in regard to farm implements and practices. This department is also under call for work at short courses, the chief work in this field was done during the past year, at the short course at Red Deer.

AGRICULTURAL ENGINEERING

Five courses were given as follows:

Three courses in Farm Machinery, Farm Building, and Farm Motors. This work is somewhat handicapped by lack of adequate space and also the want of certain equipment. There is also a need for facilities to put on proper shop work, since the students who have not attended a school of agriculture previous to entering the University are so far unable to get the most of the work.

The College of Agriculture is much indebted to

the various engineering companies because of their

kindness to cooperate in supplying us with machinery

for demonstration as we can accommodate. We have a

very fine collection of Farm Machinery, and this, almost

without exception, has been placed at our disposal through

the kind interest of these companies.

During the year this department is in receipt of

many inquiries of a more or less technical nature in

regard to Farm Implements and Tools. This department

is also under call for work at short notice. The chief

work in this field was done during the past year, at the

short course at Red Deer.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

The head of this department was granted absence during the summer in order to take up graduate work at Iowa State College.

DEPARTMENT OF DAIRYING

This department is putting on three courses in the degree work at the University; one of these courses being compulsory and the others elective. A large number of the boys are taking this work. Our equipment is very good, but our space is limited.

The dairy laboratory at the University is available to carry out any investigational work called for through the activities of the Dairy Branch throughout the year. This has been of splendid use not only to the Branch, but to the teaching at the University.

SHORT COURSE

The Dairy Industry of Alberta is making substantial and steady progress, the creamery butter production has been increasing at the rate of about 20% annually and preliminary production reports indicate that the 89 creameries that were in operation in 1924 will have had a total butter output of approximately 21,500,000 pounds for the year. The number of creameries put into operation has also been increasing during the past three years. Since the great bulk of the exportable surplus of our dairy

The head of this department was granted absence during the summer in order to take up graduate work at Iowa State College.

DEPARTMENT OF AGRICULTURE

This department is putting on three courses in the degree work at the University: one of these courses being agricultural and the others elective. A large number of the boys are taking this work. Our equipment is very good, but our space is limited. The dairy laboratory at the University is unable to carry out any experimental work unless through the facilities of the Dairy Branch throughout the year. This has been of splendid use not only to the branch, but to the teaching at the University.

DAIRY BRANCH

The Dairy Industry of Alberta in making substantial and steady progress, the customary better production has been increasing at the rate of about 30% annually and preliminary figures in reports indicate that the 35,000 head of cows that were in operation in 1934 will have a further output of approximately \$1,500,000 worth of milk for the year. The number of creameries has also increased and has also been increasing during the past three years. Since the great bulk of the exportable surplus of our dairy

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

products will be marketed in the form of creamery butter it is, of course, important that this commodity be of the best possible quality and uniform as to type and workmanship.

To assist in realizing this objective the University of Alberta, with the co-operation of the Provincial Department of Agriculture, offers from time to time courses of instruction for creamery workers, who can arrange to spend a few days or a few weeks with us in making a systematic study of both principles and practice of the more important phases of creamery work and management. It is believed that the courses of this character that have been put on in the past years have been helpful to the industry.

Special Short Courses for creamery workers were conducted during the months of February, March, April and December, with a total attendance of 62 students. These courses covered two weeks each, lectures were given each day on principles and methods of the production and handling of milk and cream on the farm; the testing, grading and quality basis marketing of dairy products; the care and handling of the equipment and apparatus used in the production and manufacture of these products; also on certain aspects of dairy sanitation, organization and legislation.

The practical work in the laboratories included the receiving, recording, testing, grading and pasteurization of

REPORT OF THE BOARD OF INVESTIGATION FOR THE YEAR 1934

products will be marketed in the form of creamery butter
it is, of course, important that this commodity be of
the best possible quality and uniform as to type and work-
manship.

To assist in realizing this objective the University of
Alaska, with the co-operation of the Provincial Department of
Agriculture, offers from time to time courses of instruction
for creamery workers, who are trained to spend a few days or a
few weeks with us in making a systematic study of both techni-
ques and practices of the more important phases of creamery
work and management. It is believed that the success of this
character that have been and are in the past years have been
helpful to the industry.

Special Short Courses for creamery workers were conducted
during the months of February, March, April and December, with
a total attendance of 68 students. These courses covered two
weeks each, lectures were given each day on principles and
methods of the production and handling of milk and cream in the
farm; the testing, grading and quality control of dairy
products; the care and handling of the equipment and apparatus
used in the production and manufacture of these products; also
on certain aspects of dairy sanitation, organization and legis-
lation.

The practical work in the laboratories included the
receiving, testing, grading and pasteurization of

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

cream, buttermaking; grading and composition tests of butter; testing of milk and cream for acidity. Generally it is the purpose of the Short Course to give the students a general prospective of the dairy industry, more particularly the departments that come within their individual activities.

The programme of each Course was so arranged that the students who were not in a position to spend the full time with us were able to plan a shorter stay and still participate in the departments of the work of most interest and value to them.

DEPARTMENT OF SOILS

Owing to insufficient help the plans for the year's work were necessarily somewhat modified, but despite this fact appreciable progress was made. Aside from the work in connection with teaching, the following lines of work were pursued:

1. Soil Survey
2. Experimental work in soils (plot work)
3. Availability of plant foods under field conditions (decomposition of the soil's organic matter).
4. Analysis of miscellaneous samples:
 - (a) Soil samples sent in by farmers.
 - (b) Alkali soil samples
 - (c) Drainage waters.
5. Other Research problems.
6. Publications.

The soil survey work, begun in 1921, was continued in

to cream, buttermaking, grading and composition tests of butter; testing of milk and cream for acidity. Generally it is the purpose of the short course to give the students a general perspective of the dairy industry, more particularly the experiments that are within their individual cognition.

The programme of each course was so arranged that the students who were not in a position to spend the full time with us were able to plan a shorter stay and still participate in the experiments of the work of most interest and value to them.

DEPARTMENT OF SOILS

Going to institutions help the plans for the year's work were necessarily somewhat modified, but despite this fact appreciable progress was made. Aside from the work connection with teaching, the following lines of work were pursued:

1. Soil survey
2. Experimental work in soils (plot work)
3. Availability of plant food under field conditions (determination of the soil's capacity for water)
4. Analysis of miscellaneous samples:
 - (a) Soil samples sent in by farmers.
 - (b) Alkali soil samples.
 - (c) Drainage waters.
5. Other research problems.
6. Publications.

The soil survey work, begun in 1921, was continued in

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

cooperation with the Provincial Department of Agriculture, and the Topographical Branch of the Department of the Interior. The Provincial Department of Agriculture appropriated funds for the field work of the soil survey report of the Macleod Sheet. The field work and analytical work for this sheet had been completed in 1923 and a report was prepared early in 1924, but owing to lack of funds it has not yet been published. It is hoped that this report will be published in the near future as Soil Survey Report No. 1 for the Macleod Sheet, Alberta.

The report contains chapters on the following subjects: Description of the Area, Agriculture, Soils of the Sheet, Composition of Soils of the Macleod Sheet, Loss of Organic Matter, Soil Drifting, Summer-Fallow, Irrigation, Alkali; together with a summary of the above discussions followed by a detailed tabulated statement of analysis in Appendix 1, and a discussion of the Geology of the Sheet in Appendix 2 by Dr. J. A. Allan. The report will likewise contain a map showing detailed topographical data prepared by the Topographical Branch, Department of the Interior, and having our soil colors superimposed.

During the summer of 1924 the field work in connection with the Medicine Hat Sheet was finished. About one half of the analytical work for this sheet is now done. It is planned to complete the analytical work and prepare a report

REPORT OF THE COMMISSION OF AGRICULTURE FOR THE YEAR 1934

cooperation with the Provincial Department of Agriculture and the Topographical Branch of the Department of the Interior. The Provincial Department of Agriculture appropriated funds for the field work of the soil survey report of the National Sheet. The field work and analysis work for this sheet had been completed in 1933 and a report was prepared early in 1934, but owing to lack of funds it has not yet been published. It is hoped that this report will be published in the next volume as Soil Survey Report No. 1 for the National Sheet, Alberta.

The report contains chapters on the following subjects: Description of the Area, Agriculture, Soils of the Sheet, Composition of Soils of the National Sheet, Loss of Organic Matter, Soil Fertility, Summer-Fallow, Irrigation, etc. Together with a summary of the above discussions follows a detailed tabulated statement of analysis in Appendix I, and a discussion of the geology of the sheet in Appendix II by Dr. J. A. Allen. The report will likewise contain a map showing detailed topographical data prepared by the Topographical Branch, Department of the Interior, and having our soil colors superimposed.

During the summer of 1934 the field work in connection with the National Sheet was finished. About one half of the analytical work for this sheet is now done. It is planned to complete the analytical work and prepare a report.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

for this sheet during the coming year. This area is approximately the same size as the Macleod Sheet, or from two and one quarter to two and one half million acres, and occupies the following location: From ranges 1 to 15 inclusive, west of the 4th meridian, and townships 9 to 16 inclusive, or from the Macleod Sheet to the Saskatchewan boundary.

During the summer of 1922 approximately 9 townships were surveyed in the Rainy Hills sheet. The surveyed area was located as follows: townships 21, 22, and 23, ranges 2, 3, and 4. This area included about 60,000 acres of land in the Government Remount Reserve. During the past summer (1924) the surveyed area was extended to include range 1 for the same townships, and ranges 1 to 4 inclusive to townships 23 and 24. This now gives an area of about 260,000 acres for the Rainy Hills Sheet, and virtually links up the Medicine Hat Sheet with the Sounding Creek Sheet. The surveyed areas in the Medicine Hat and Rainy Hills Sheets cover a large proportion of the territory now under consideration by the Dominion and Provincial Governments regarding the disposition of dried-out farmers. Soil maps for these last named areas have been prepared and should be of considerable aid to the government authorities.

The remainder of the summer was devoted to a survey of the Sounding Creek Sheet, where approximately 40 townships

REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE

for this sheet during the coming year. This area is

approximately the same size as the United States, or from

two and one quarter to two and one half million acres.

and occupies the following locations: From ranges 1 to

15 inclusive, west of the 42nd meridian, and township 7

to 15 inclusive, or from the United States to the Canadian

boundary.

During the summer of 1902 approximately 5 townships

were surveyed in the early hills sheet. The surveyed area

was located as follows: townships 21, 22, and 23, ranges 2

3, and 4. This area included about 60,000 acres of land

in the Government Reserve. During the next summer

1904, the surveyed area was extended to include ranges 1

for the same townships, and ranges 1 to 4 inclusive to

townships 23 and 24. This now gives an area of about

250,000 acres for the early hills sheet, and virtually the

up the Medicine Hat sheet with the surrounding Green Sheet.

The surveyed area in the Medicine Hat and early hills

sheet covers a large proportion of the territory now under

a jurisdiction of the Dominion and Provincial Governments

regarding the disposal of the public lands. 2011

maps for these lands being given to the Dominion and

should be of assistance to the Dominion and Provincial Governments

The completion of the survey was delayed to a survey

of the early hills sheet, where approximately 40 acres

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

were surveyed, included in ranges 1 to 5, townships 24 to 32. It is proposed to complete the survey of this sheet during the summer of 1925.

Up to the present time the survey (field work) of about five million acres has been completed, and the preliminary work on another two million acres is virtually finished.

In 1923 approximately 18 acres of land were transferred from the Animal Husbandry Department to the Soils Department. This has been laid out in series and plots and is now being subjected to experimental work, including cultivation, moisture and fertilizer tests. This work has developed until it is impossible to properly handle it with our present staff, unless some of our present project work is sacrificed. We should have the assistance of another man beginning June 1st, 1923.

For the past two summers we have conducted extensive investigations regarding the nature and rate of making plant foods available in our soils, under field conditions, by means of measuring the rate of decomposition of the soil's organic matter. This work involved the sampling of various plots under different cropping and treatment plans at intervals of two weeks from early spring until the fall freeze-up. Determinations of moisture, nitrates and ammonia have been made for all samples thus collected. The

REPORT OF THE COMMISSION OF AGRICULTURE FOR THE YEAR 1964

were surveyed, included in ranges 1 to 8, comprising 24
to 32. It is proposed to complete the survey of this
area during the summer of 1965.

Up to the present time the survey (field work) of
about five million acres has been completed, and the pre-
liminary work on another two million acres is virtually
finished.

In 1965 approximately 15 acres of land were transferred
from the Animal Husbandry Department to the Public Health
Department. This has been done in order to place the
now being subjected to experimental work, including
cultivation, rotation and fertiliser tests. This work is
developed until it is impossible to progress further it will
not present itself, unless some of our present projects work
is completed. We should have the completion of our project
now beginning June 1st, 1965.

For the past two seasons we have conducted extensive
investigations regarding the nature and mode of working
plant foods available in our soils, under field conditions
by means of measuring the rate of decomposition of the soil
organic matter. This work involved the sampling of
various plots under different treatments and subsequent analysis
at intervals of two weeks from early spring until the fall
season. Investigations of mineral, nitrogen and
phosphorus have been made for all samples thus collected. The

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

data thus obtained is now ready to be tabulated and a report prepared for publication. These investigations have revealed some startling and significant facts, such as the extremely high native fertility of our Edmonton soils, the rapid rate at which plant foods become available under our soil and climatic conditions; the still more startling fact that our soils invariably contain more ammonia nitrogen than nitrate nitrogen, and the excessive abundance of nitrates in the soils under summer-fallow. The results of these investigations will include data from upwards of 600 samples of soil collected during two growing seasons, from plots under various cropping and treatment experiments.

The activities of the Soils Department likewise include the analysis of miscellaneous samples of soil sent in by farmers; the analysis of various alkali soil and drainage waters. This work requires the equivalent of the services of one man for a large part of the year.

In addition to the above mentioned routine activities, special research problems have been pursued. The work on "The Measurement of Carbon Dioxide Evolved from the Roots of Plants" as reported last year has been continued this year, and the head of the Department has also continued some of his previous work on "The Synthesis of Certain Plant Foods as Affected by the Composition of Different Soils". It is hoped to publish these results in

REPORT ON THE SOILS OF AGRICULTURE FOR THE YEAR 1922

data thus obtained is now ready to be tabulated and a
report prepared for publication. These investigations
have revealed some striking and significant facts, such
as the extremely high native fertility of our Minnesota soil
the rapid rate at which plant foods become available under
our soil and climatic conditions; the still more striking
fact that our soils invariably contain more ammonia nitrogen
than nitrate nitrogen, and the excessive abundance of nitrate
in the soils under summer-fallow. The results of these
investigations will include data from samples of 500 samples
of soil collected during two growing seasons, from 1920
under various cropping and treatment experiments.

The activities of the Soils Department likewise include
the analysis of miscellaneous samples of soil sent in by
farmers; the analysis of various kinds of soil and drainage
waters. This work requires the equivalent of the services
of one man for a large part of the year.

In addition to the above mentioned routine activities
special research projects have been undertaken. The work on
"The Measurement of Carbon Dioxide evolved from the Soils
of Illinois" as reported last year has been continued this
year, and the head of the department has also continued
some of his previous work on "The Synthesis of Certain
Plant Foods as Affected by the Composition of Nitrogen
Soils". It is hoped to publish these results in

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

in scientific journals as soon as they can be written up.

FIELD HUSBANDRY DEPARTMENT

The work of the Department during 1924 may be considered under three main headings:-

- I. The production and distribution of new or superior varieties of farm crops.
- II. Cultural experiments with farm crops.
- III. Investigation of special problems connected with crop production.

The divisions of plant breeding and genetics, field experiments, and plant biochemistry, into which the activities of the Department have been grouped for purposes of staff organization, cooperated in the carrying out of this programme, as will be indicated in the following report.

1. PRODUCTION AND DISTRIBUTION OF SUPERIOR VARIETIES

The production and distribution of new or superior varieties of farm crops involves the cooperation of the plant breeder and field experimentalist.

Our plant breeder, is responsible for the making of crosses, selections, introductions, and preliminary yield tests. During the past season the work with cereals included 5 foundation beds, 186 centgeners, and yield tests of 204 strains in 2448 red rows. The effort to produce early ripening corns involved tests of 205 strains, of

In scientific journals as well as they can be written up.

FIELD EXPERIMENTAL RESEARCH

The work of the Department during 1934 may be summarized

under three main headings:-

- I. The production and distribution of new or superior varieties of farm crops.
- II. Cultural experiments with farm crops.
- III. Investigation of special problems connected with crop production.

The divisions of plant breeding and genetics, field experiments, and plant physiology, in which the activities of the Department have been directed for purposes of result evaluation, concentrated in the carrying out of this programme, as will be indicated in the following report.

PRODUCTION AND DISTRIBUTION OF NEW OR SUPERIOR VARIETIES

The programme and distribution of new or superior varieties of farm crops involves the cooperation of the plant breeder and field experimentalist.

Our plant breeder, in responsible for the selection of crosses, selection, introduction, and preliminary yield

tests. During the past season the work with cereals included 8 experimental beds, 185 comparisons, and yield tests of 304 strains in 2448 row rows. The effort to produce early ripening cereals involved tests of 203 strains of

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1934

which 56 were hybrids from last year's crosses. Head selections were made from 3 strains of sunflowers; 1 strain of timothy selected from Svalbf No. 523 was self-fertilized for propagation next year; 20 strains of other grasses and legumes were introduced for red row tests; 10 tuber unit selections of potatoes were grown, and 74 previous selections were tested in red rows.

Twenty-eight varieties and strains of winter wheat were grown in red rows for the purpose of estimating their winter hardiness on the basis of survival in the spring. This is part of a cooperative project organized by the United States Department of Agriculture.

The field experimentalist takes over from the plant breeder for further tests in larger plots such varieties or strains as the latter recommends on the basis of his results in red row tests. In all variety tests, whether in red rows or larger plots, we are now aiming to use the quadruplicate system, in which 4 plots of each variety under test are scattered at intervals over the test block of land. In this way inequalities in the soil are largely compensated, and the results rendered very much more reliable. The larger plot tests of the past season included wheat, barley, corn, potatoes and alfalfa.

The final stage in this part of the work of the field

REPORT OF THE BOARD OF AGRICULTURE FOR THE YEAR 1934

which 55 were hybrids from last year's crosses. Total

selections were made from 3 strains of sunflowers; 1

strain of timothy selected from Hybrid No. 523 was self-

fertilized for propagation next year; 50 strains of other

grasses and legumes were introduced for test years; 10

other nine selections of potatoes were grown, and 24

potatoes selected were tested in test years.

Twenty-eight varieties and strains of winter wheat

were grown in test years for the purpose of estimating their

winter hardiness on the basis of survival in the spring.

This is part of a cooperative project organized by the

United States Department of Agriculture.

The field experimentalists raised over from the plant

breeder for further work in larger plots with various

or strains on the basis of recommendations on the basis of his

results in test years. In all variety tests, whether

in test years or larger plots, we are not aiming to use the

quadruplicate system, in which 4 plots of each variety

under test are arranged at intervals over the test block

of land. In this way the results in the test are largely

compensated, and the results reported very much more reliable

The largest plot tests of the most widely known wheat, about

barley, corn, potatoes and alfalfa.

The final stage in this part of the work at the field

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1926

experimentalist is to multiply the seed of the best varieties, both our own new productions and the standard registered sorts, for distribution to farmers as stock seed. The maintenance of the purity and quality of this stock involves constant re-selection and "reguing" in the field.

The results of the foregoing work take three forms:

(1) Distribution of New Varieties.

Every few years we may hope to have available for distribution a new variety or selection which has surpassed in yield or quality or adaptation any previous sort. This year, with the cooperation of six selected growers in various parts of the Province, we multiplied Renfrew (formerly No. 111) and University No. 222 wheats, and now have about 400 bushels of each to be distributed for seeding next spring. Renfrew is meant for use in the southern and eastern portions of the Province, where Marquis is apt to be short in the straw. In a 5-year test at Edmonton Renfrew yielded at the rate of 49.4 bushels to the acre, as compared with 42.0 for Marquis. University No. 222 is meant to replace Ruby in northern or foothill districts; the 5-year average for these two varieties is 48.1 and 34.7 bushels respectively. An announcement respecting the distribution of these wheats in the University press Bulletin of October 10, 1924, resulted in a flood of requests for the seed, in volume several times in excess of the available supply, even when each farmer is restricted to

REPORT OF THE COMMISSION OF AGRICULTURE FOR THE YEAR 1900

experimentation is to establish the need of the year var-

ieties, both for the new production and the standard

registered variety for distribution in the future as soon

good. The maintenance of the variety and quality of this

stock involves constant re-selection and "purging" in the

The results of the foregoing work are three forms:

(1) Distribution of New Varieties.

Every few years we have available for

distribution a new variety or varieties which has undergone

is placed as quality of distribution and growing soil. This

year, with the cooperation of the various provinces in vari-

parts of the province, we distributed seedling material to

and University No. 222, which, and now have about 250 pairs

of each to be distributed for seedling next spring.

is meant for use in the southern and western portions of the

provinces, which material is not to be given in the north.

a 5-year seed of the material has been placed at the rate of

25.4 per acre to the seed, as compared with 25.0 for material

University No. 222 in order to provide seed for the north and

is still distributed; the 5-year seed for the south and vari-

eties in 25.1 and 25.7 pounds respectively. An announcement

regarding the distribution of these seeds in the University

press Bulletin of October 10, 1904, contains a list of

requests for the seed, in various places, in order of

the available seeds, even when seed is not distributed

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

two bushels.

This year, too, we multiplied for distribution a selection of timothy, for the time being designated Svalöf No. 523, which was outstanding among some fifty strains tested; also a superior strain of Western Rye grass picked out on the basis of our tests as the best of five improved strains sent to us by Dr. Kalte.

We are continuing to multiply the seed of Altaswede clover and Howes' Alberta Flint Corn. Unfortunately the destructive frosts late in June made this the worst season for corn we have experienced in recent years, so that our crop was small and of poor quality, and we cannot fill more than a small portion of the requests for this variety.

(2) Supplying Pure Stock of Standard Varieties to Seed-Growers.

The maintenance of a supply of registered stock seed of the leading varieties is our main avenue of cooperation with the Alberta Seed Growers' Association. Last spring we supplied to various growers, at nominal cost, 142 bushels Banner oats, 106 bushels Victory oats, 256 bushels Marquis wheat, 16 bushels Red Fife wheat, and 33 bushels C.A.C. No. 21 barley. This year we have available stock of the following varieties, all of which have proven their merits in our own trials: Marquis wheat, Banner and Victory oats, Canadian Thorpe and C.A.C. No. 21 barley, Bakold winter rye,

See Appendix.

This year, too, we continued our investigation of the collection of timber, for the time being assigned to the No. 222, which was accompanied by the No. 223. The No. 223, which was a smaller vessel of about 100 tons, was also on the scene of our investigation. The No. 223 was also on the scene of our investigation. The No. 223 was also on the scene of our investigation.

We are continuing to study the work of the No. 223. The No. 223 is a smaller vessel of about 100 tons, which was also on the scene of our investigation. The No. 223 was also on the scene of our investigation. The No. 223 was also on the scene of our investigation.

(2) Investigation into the work of the No. 223.

The importance of a study of the work of the No. 223 is our main reason of investigation. The No. 223 is a smaller vessel of about 100 tons, which was also on the scene of our investigation. The No. 223 was also on the scene of our investigation. The No. 223 was also on the scene of our investigation.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

and Golden Vine (formerly White Albertan) peas.

Since much of the Alberta seed exhibited at the Chicago International Grain and Hay Show comes from University stock, it is gratifying to note that Alberta winnings this year totalled 43 prizes, including first for field peas, first for alfalfa, and 10 out of 15 prizes offered for timothy seed. The total of 43 prizes was distributed over 10 classes in which altogether 199 prizes were offered. This means that Alberta secured more than one-fifth of the prizes in these classes, although region 1, in which we compete, comprises 24 states and provinces.

It may be noted in passing that we cooperate further with the A.S.G.A. and the C.S.G.A., to the extent that we act as the referee in cases of field inspection and registration requiring special adjudication, and that the head of the Department is a member of the Provincial Seed Board. Two members of the Department belong to the C.S.G.A. advisory committee of plant breeders. At the Guelph meeting last June important progress was made in placing the registration of Alberta-grown Grimm alfalfa seed on a firm basis.

(3) Reports on Variety Tests

The periodic publication of bulletins or circulars reporting the results of varietal trials, and the suitability of both new and old varieties for Alberta, is the third logical outcome of this general section of the work. During

A.S.G.A. - Alberta Seed Growers' Association

C.S.G.A. - Canadian Seed Growers' Association

C.S.C.A. - Canadian Seed Growers' Association
A.S.C.A. - Alberta Seed Growers' Association

local outcome of this general session of the work. The
of both now and old varieties for Alberta, in the third
reporting the results of various trials, and the analysis
The scientific evaluation of the results of the various

(2) Reports on Various Trials

of Alberta-grown grain varieties used on a trial basis.

Some important progress was made in placing the registered

varieties of grain products. At the Council meeting last

members of the Department belong to the C.S.C.A. and the

Department is a member of the Provincial Seed Board. Two

then verifying special regulations, and that the Board of

and on the reference in order of their installation and registration

with the C.S.C.A. and the C.S.A., to the extent that we

It may be noted in passing that we cooperate further

concerns 24 States and Provinces.

in these classes, although under 1. In which no sample,

means that Alberta received more than one-fifth of the total

classes in which registered 125 trials were entered. This

total. The total of 45 trials was distributed over 10

for Alberta, and 10 out of 15 trials entered for Ontario

totalled 45 trials, including trials for other parts. First

it is gratifying to note that Alberta received this year

International trials and that these were from University and

since much of the Alberta seed exhibited at the trials

and Golden Gate (formerly White Horse) years.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

the past year the only publications of this nature were a small circular on Howes' Alberta Flint Corn, by Professor G.H. Cutler, and a preliminary report in the University Press Bulletin on the results of cooperative tests with potato varieties, by G.B. Sanford. Mr. Sanford, however, spent a part of the summer in working up statistically the results of all the potato experiments, so that these can be published during the coming year.

11. CULTURAL EXPERIMENTS

The various cultural experiments come under the supervision of the field experimentalist. The principal experiments of this class under way during the past year were the following:-

Growing alfalfa in rows various distances apart for hay production.

Comparing wheat, oats, and barley as a nurse crop for red clover.

Covering red clover with straw or manure to prevent winter-killing.

Growing timothy and western rye grass in variously spaced rows, for seed production.

Pasturing sweet clover with sheep and dairy cows.

"Hogging-off" barley, peas, and corn.

Growing sunflowers at various distances apart.

Seeding oats at various rates. (Part of a co-operative project under the Research Council Advisory Committee on Experimental Methods).

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

No report has yet been published on any of the above experiments, although some of them have reached the stage when publication should be considered. The winter-killing experiment with clover was largely nullified by the general absence of damage to winter crops last season. The "hogging off" experiments indicate that of the crops tested only corn is suitable for harvesting by this method. Even corn was less satisfactory this year than last, owing to the destructive frosts late in June, which made the corn crop small and late. Sweet clover as a pasture crop shows great promise, and it is unfortunate that this crop is now so seriously threatened by the sclerotinia disease of the roots.

III. INVESTIGATION OF SPECIAL PROBLEMS

The production of crops in a new country naturally raised a great number of questions, some of which could be answered by relatively simple field experiments. The efforts of our Experiment Stations were, in earlier days, directed largely along these so-called practical lines. Now however, we have in many lines of work reached a point where it appears that further definite progress must wait on its discovery of the fundamental principles underlying the problems concerned. Our present aim in the Department of Field Husbandry is to combine the empirical method of field observations and experiments with the scientific method, in

REPORT OF THE COMMISSION ON THE STATE OF THE ART

The report has not been published on any of the above experiments, although some of them have reached the stage when publication should be considered. The winter-killing experiment with clover was largely nullified by the absence of damage to winter crops last season. The "flood" experiment with alfalfa that of last year was not only nullified but also the results by this method. Even down was less satisfactory this year than last, owing to the heavy live frost in June, which made the crop over small and late. Next clover as a pasture crop shows great promise and it is anticipated that this crop is now so seriously threatened by the vole: this disease of the roots.

III. INVESTIGATION OF THE STATE OF THE ART

The protection of manure is a new country industry which a great number of persons, some of which could be answered by relatively simple field experiments. The efforts of our Experiment Station have, in winter days, directed largely along these so-called practical lines. However, we have in many lines of work reached a point where it appears that further scientific progress must wait on the discovery of the fundamental principles underlying the problem concerned. Our present aim in the Department of this character is to combine the practical period of the investigation and experiments with the scientific method.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

which the factors are carefully analysed and their effects studied quantitatively. The latter method involves laboratory research.

The principal lines along which these more special investigations are being directed are the following:

A. Projects in the division of Plant Biochemistry

1. The Nature of Winter Hardiness in Crop Plants.

Early work on this problem brought out clearly the importance of plant cell colloids which accumulate during the autumnal hardening process and the resulting development of high imbibition pressures in the plant tissues. The importance of sugar as a protective agent was also demonstrated. An investigation of the nature of the colloids which accumulate during the hardening process has been practically completed and further work is being done on the mechanics of the frost precipitation of proteins and on the quantitative effects of the sugar factor.

The apparent winter-killing of white sweet clover, which has been increasing in seriousness of late years, was shown by experiment last winter to be due to disease injury.

2. The Nature of Drought Hardiness in Crop Plants.

The early work on frost resistance showed that there were fundamental similarities between this phenomenon and drought resistance. Specific work on the latter problem is now being carried on. During the past summer a study

which the factors are carefully analyzed and their effects studied quantitatively. The latter method involves laboratory research.

The principal lines along which these two general investigations are being directed are the following:

- A. Research in the field of plant physiology
1. The Nature of Growth Processes in Plant Tissues

Early work on this problem was of a purely descriptive

importance of which all details which were necessary for the essential working process and the resulting development of high yielding production in the plant tissues. The importance of sugar as a protective agent was also demonstrated. An investigation of the nature of the cellular

which commenced during the working process has been practically completed and further work is being done on the mechanism of the most productive of processes and on the quantitative effects of the sugar factor.

- The current water-killing of white sweet clover, which has been increasing in importance of late years, was shown by experiment to be due to the action of the sugar factor.
2. The Nature of Growth Processes in Plant Tissues

The early work on these problems showed that there were fundamental similarities between the phenomena and growth resistance. Results work on the latter problem is now being carried on. During the past summer a study

-27-

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1934

was made of the physico-chemical properties of the tissue fluids of all the cultivated species of wheat, oats, barley and rye; and also two grasses differing widely in drought hardness, viz., timothy and western rye grass. Among the methods used is a new one which gives valuable information as to the colloidal properties of the tissue fluids. This work is being continued and extended next season.

The above two Projects are being assisted by the Research Council of Canada.

3. Quality of Wheat in Relation to Environmental Factors

The average quality of western Canadian wheat is good, but that of wheat from different localities is by no means uniformly so. The wide variation in quality appears to depend on two factors:

- (a) The inherent quality of the varieties in use.
- (b) The reaction to environmental conditions.

The nature of the environmental reactions of wheat is only partly understood, and very little is known of the adaptations of particular varieties. With the cooperation of experimental stations at Lethbridge, Lacombe, Beaverlodge, Fort Vermilion and Brooks, Alberta, and Vancouver, B.C., we are now growing six standard varieties under a wide range of environmental conditions. The samples are assembled here for a study of their physical and chemical characteristics. We have also made arrangements for one of our

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

research students to take portions of each sample down to the University of Minnesota for milling and baking. The Division of Agricultural Biochemistry at that institution has kindly placed their facilities for this work at our disposal.

If, as seems quite possible, the varieties vary substantially in their reactions to a given environment, it would open up at once a promising new field to the plant breeder in the production of varieties especially adapted to particular environmental complexes.

4. Biochemical Methods of Estimating the Vitality of Seeds

A study of the catalase activity of seeds in relation to their germinative capacity, which was begun here last winter, has now been transferred to the Dominion Seed laboratory at Calgary where large quantities of suitable experimental material are readily available. The technical direction is, however, retained by this department.

5. Hulling Studies with Timothy Seed

Timothy seed production is a well established industry in certain sections of Alberta, notably the Pincher Creek district. The growers have always been handicapped in the grading of the seed by the large percentage of hulling during threshing which occurs in this climate. Some preliminary investigations of the factors involved have already been carried out. A research student is now going

REPORT OF THE COMMISSION OF AGRICULTURE FOR THE YEAR 1924

research stations in this province of each sample have
to the University of Minnesota for milling and baking.
The Division of Agricultural Biochemistry at that insti-
tution has kindly placed their facilities for this work at
our disposal.

It, as seems quite possible, the varieties very sub-
stantially in their reactions to a given environment, it
would open up at once a promising new field to the plant
breeder in the production of varieties especially adapted
to particular environments: i.e. complete.

4. Biochemical Methods of Estimating the Activity of Seeds

A study of the catalase activity of seeds in relation
to their formative capacity, which was begun here last
winter, has now been transferred to the Dominion Seed
Laboratory at Calgary where large quantities of suitable
experimental material are readily available. The results
directed to, however, retained by this department.

5. Pollen Studies with Timothy Seed

Timothy seed production is a well established industry
in certain sections of Alberta, notably the St. Mary River
district. The growers have always been handicapped in the
grading of the seed by the large percentage of hulling
during threshing which occurs in this climate. Some pre-
liminary investigations of the factors involved have
already been carried out. A research grant is now being

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

on with the problem.

B. Projects in the Division of Plant Genetics and Breeding.

1. Origin of False Wild Oats.

A research student is carrying on cytological studies with common cultivated oats, Avena sativa, wild oats, A. fatua, and false wild oats, a fatuoid form of A. sativa. These investigations may throw light on the much-vexed question as to the origin of false wild oats in our cultivated varieties.

2. Sterility in Alfalfa

Preparatory to an experimental study of the failure of seed-setting in alfalfa, which is a serious problem in Alberta, all the available literature on the general topic of sterility is now being reviewed. It is expected that a research student will begin experimental work on this problem early in 1925.

3. Inheritance of Endosperm Colour in Corn .

An attempt was made to analyse the factorial constitution of a strain of corn in which the endosperm colour graded from white to deep purple, with 19 different degrees of colouration. The season, however, was so unfavourable for corn that none of the plants used reached the flowering stage.

4. Survey of Native Grasses.

The botanical composition of our native hay and range

REPORT OF THE COMMISSION OF AGRICULTURE FOR THE YEAR 1933

on with the problem.

B. Progress in the solution of these problems and conclusions.

1. Origin of false wild Oenothera

A research student is carrying on cytological studies with common cultivated oenothera, Oenothera lutea, wild oenothera, Oenothera lutea, and false wild oenothera, a hybrid form of O. lutea. These investigations may throw light on the much-vexed question as to the origin of false wild oenothera in our country and varieties.

2. Sterility in alfalfa

Preparation for an experimental study of the sterility of seed-growing in alfalfa, which is a serious problem in Alberta, and the available literature on the general topic of sterility is now being reviewed. It is expected that research students will begin experimental work on this problem early in 1934.

3. Investigation of endogenous color in corn

An attempt was made to analyze the hereditary constitution of a series of corn in which the endogenous color varied from blue to deep purple, with its different degrees of coloration. The nucleus, however, was an unfavorable one for corn that none of the plants used reached the flowering stage.

4. Survey of false hybrids

The hereditary constitution of our native hay and range

REPORT OF THE COLLOQUE OF AGRICULTURE FOR THE YEAR 1934

lands is of interest in connection with problems of range management and the reclamation of abandoned farms, and a survey may also indicate certain plants to have a possible value for cultivation or plant-breeding purposes. During the past summer a reconnaissance was made of the Waterton Lakes-Lethbridge-Faber district.

5. Plant Succession in Slough Land

A small slough in our Investigation Field, Block 4A, has been reserved for this study. This land is usually partly under water in the early part of the season, but up to 1923 has been cultivated in the latter part of the season. Beginning with 1924 the natural vegetation will be charted annually, and allowed to grow undisturbed except that the eastern half will be cut once a season.

C. PUBLICATIONS

Reports published during the current year on some of the foregoing special investigations include two papers in scientific journals and one research bulletin on the nature of winter hardiness in crop plants, and one paper on silage studies carried out from 1921 to 1923. The other investigations had not progressed far enough to warrant publication. During the year, also, we published a revision of our bulletin on potato diseases.

There is of interest in connection with problems of range management and the utilization of plant-based foods, and a survey has also indicated certain plants to have a possible value for utilization as plant-based foods. During the past summer a reconnaissance was made of the vegetation of the area.

2. RANGE UTILIZATION IN 1953

A small amount of our investigation in 1953, since the area was reserved for this study. This land is usually partly under water in the early part of the season, but by 1953 had been utilized in the latter part of the season. Beginning with 1953 the natural vegetation will be cleared annually, and it is hoped to grow and harvest crops that the organic field will be cut once a season.

3. PUBLICATIONS

Reports published during the current year on some of the foregoing special investigations include two papers in scientific journals and one research bulletin on the nature of winter hardiness in other plants, and one paper on other studies carried out from 1951 to 1953. The other investigations had not progressed far enough to warrant publication during the year, and we published a revision of our bulletin on potato diseases.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

DEPARTMENT OF ANIMAL HUSBANDRY

The establishment of the four year course in Agriculture at the University of Alberta has necessitated some changes and additions in the subjects offered in the Department of Animal Husbandry. An advanced course in animal nutrition for senior students is now offered during the second term. Last year one hour each week for one term was devoted to seminar. For this purpose each student is expected to prepare and present a paper on some particular subject. Considerable time is necessary for such work and it gives an opportunity for each student to become familiar with all the available literature on subjects in which he is particularly interested. A more or less elementary and practical course in live stock marketing has also been added. The courses in "Live Stock Management" and "Herd Book Studies and Breed Development" have been extended. Altogether eleven courses are now available in the Department of Animal Husbandry, and while one or two additional courses could be included to good advantage, provided the time and facilities were available, the present outline of studies, as at present appearing in the calendar, covers in a fairly satisfactory way the different phases of Animal Husbandry subjects.

This year, for the first time, in the history of the

DEPARTMENT OF ANIMAL HUSBANDRY

The establishment of the four year course in 1914-15 at the University of Alberta has necessitated some changes and additions in the subjects offered in the Department of Animal Husbandry. An advanced course in animal husbandry for master students is now offered during the second year. Each year one hour each week for one term was devoted to anatomy. For this purpose each student is expected to prepare and present a paper on some subject of his choice. Considerable time is necessary for such work and it gives an opportunity for each student to become familiar with all the available literature on subjects in which he is particularly interested. A note or issue elementary and practical course in farm stock raising has also been added. The course in "live stock management" and "feed book studies and feed development" have been extended. Altogether eleven courses are now available in the Department of Animal Husbandry, and while one or two additional courses would be included to good advantage, provided the time and facilities were available, the present outline of studies, as at present appearing in the catalog, covers in a fairly satisfactory way the following phases of animal husbandry studies:

This year, for the first time, in the history of the

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

institution, the University of Alberta was represented in the Live Stock Judging Contest at the Royal Agricultural Winter Fair at Toronto and the International Live Stock Exposition at Chicago. The fact that it was possible to send a judging team to Toronto this year was largely due to the generosity of the W.C.Macdonald, Registered, of Montreal. This company offered a valuable trophy to be competed for by a team of five men from each of the four Western Universities. In addition they paid the railway expenses to Toronto and return of all the teams, together with the living expenses of the winning team. The contest this year was won by the University of Alberta. The extensive training necessary in preparation for a contest of this kind and the keen rivalry amongst the students for a place on the team had the effect of stimulating in the students a very great interest in live stock judging. The fact that the five young men selected to represent the University in this contest are absent from other classes for a considerable time means some sacrifice in other subjects. On the other hand the advantages to be gained by the opportunity for students interested in Animal Husbandry to visit two of the largest live stock shows in the world would, based on one year's experience, appear to more than off-set anything that might be lost while they are away.

institution, the University of Alberta was represented in the live stock judging contest at the Royal Agricultural Winter Fair at Toronto and the International Live Stock Exposition at Chicago. The fact that it was possible to send a judging team to Toronto this year was largely due to the generosity of the W.O. Massey Fund, the interest of Montreal. This company ordered a valuable trophy to be competed for by a team of five men from each of the four Western Universities. In addition they paid the railway expenses to Toronto and return of all the teams, together with the living expenses of the winning team. The names of this team was won by the University of Alberta. The extensive training necessary in preparation for a contest of this kind and the keen rivalry among the students for a place on the team had the effect of stimulating in the students a very great interest in live stock judging. The fact that the live young men selected to represent the University in this contest are absent from other classes for a considerable time means some sacrifice in other subjects. On the other hand the advantages to be gained by the opportunity for students interested in animal husbandry to visit two of the largest live stock shows in the world will, based on one year's experience, appear to more than offset anything that might be lost while they are away.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

Horses:

Horse breeding work has been carried on at this institution since 1920 with the result that now a number of draft colts are beginning to take their place in helping out with the farm work. In order to simplify the problem of stable accommodation and to reduce the cost of maintaining the farm work horses, four of the older animals were disposed of this fall. Outside of the saddle horse and the farm superintendent's horse, there now remains only three grade horses. The remainder are all pure-breds consisting of three draft breeds as follows:

7 Belgians, 8 Percherons and 5 Clydesdales. In the horse breeding work this institution has been fortunate in having available the services of the Clydesdale and Percheron stallions owned by the Provincial Department of Agriculture. In order to breed the Belgian mares it has been necessary to ship them into Saskatchewan to Mr. Robert Thomas' stallion. This stallion has been a prize winner at both Toronto and Chicago and while he is an outstanding horse, the expense in connection with getting the mares bred is considerable. The purchase of a Belgian stallion by this institution would look like a good investment, provided the policy of breeding this particular breed of draft horses is to be continued.

REPORT OF THE COMMISSION OF AGRICULTURE FOR THE YEAR 1924

Horses:

Horse breeding work has been carried on at this institution since 1920 with the result that now a number of draft colts are beginning to take their place in Belgium and with the farm work. In order to simplify the problem of stable accommodation and to reduce the cost of maintaining the farm work horses, four of the older animals were disposed of this fall. Outright of the stable horses and the farm superintendent's horse, there now remain only three grade horses. The remainder are all pure-breds consisting of three draft breeds as follows: 7 Belgians, 6 Percherons and 5 Clisters. In the horse breeding work this institution has been fortunate in having available the services of the Belgian and Percheron stations owned by the provincial department of Agriculture in order to breed the Belgian horses. It has been necessary to ship them into Luxembourg to Mr. Robert Thelen, stationer. This station has been a great winner as with Percheron and Belgian and while he is an outstanding horse, the expense in connection with getting the horses bred is considerable. The purchase of a Belgian station by this institution would look like a good investment, provided the policy of breeding this particular breed of draft horses is to be continued.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

Beef Cattle:

The outbreak of contagious abortion in connection with the beef herd, that was mentioned in last year's report, is practically cleaned up. With one or two exceptions, the cows are now safe in calf or have dropped calves recently. Considerable credit is due to Dr. P.R. Talbot, Provincial Veterinarian, for this success in stamping out the abortion in the University herd. He has had a wide experience in the treatment of this particular disease and his services in this connection are very much appreciated.

Three beef bulls have been added to the herd this past year. These bulls have all been purchased from breeders within the province. A two-year old bull, sired by Panama 3rd, from the herd of C.A. Boggs and Sons, Daysland, now heads the Hereford herd at this institution. An exceptionally well bred Shorthorn calf that gives promise of developing into a good herd bull, is now in use in the Shorthorn herd. This calf was secured from the School of Agriculture at Olds in exchange for Victor Supreme, the Shorthorn bull that has been such a valuable breeding sire in the institution's herd of Shorthorns. Due to the fact that the Aberdeen-Angus bull, purchased from Thomas Henderson and Son Lacombe, and mentioned in last year's report, failed to develop satisfactorily, another young calf from the same herd was put in his place. This new bull is a grandson

Best cattle:

The outbreak of contagious abortion in connection with the best herd, that was mentioned in last year's report, is practically closed now. With one or two exceptions, the cows are now safe in calf or have delivered calves recently. Considerable credit is due to Mr. J. L. Laidlaw, Provincial Veterinarian, for his success in stopping the abortion in the University herd. He has had a wide experience in the treatment of this particular disease and his services in this connection are very much appreciated. These best bulls have been added to the herd this year. These bulls have all been purchased from producers within the province. A two-year old bull, named by name, and from the herd of G. A. Briggs and Sons, Regina, now heads the University herd at this institution. An excellent ally well bred Shorthorn bull that gives promise of developing into a good head bull, is now in the University herd. This bull was secured from the School of Agriculture at Oshawa in exchange for the University bull that has been such a valuable breeding sire in the University's herd of Shorthorns. Two to two that the thirteen-year bull, purchased from Thomas Henderson and sons, and mentioned in last year's report, failed to develop satisfactorily, another young bull from the same herd was put in his place. This new bull is a grandson

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

of Blackcap Revolution, the grand champion at the Chicago International Exposition last year.

The Shorthorn herd now consists of twenty females. This provides a sufficiently large herd as a basis for breed improvement and a herd from which good class-room material may be selected. In the Hereford and Aberdeen-Angus breeds, however, this institution has made little progress. This is due to the fact that very few female calves have been produced and within recent years no females have been purchased. Only six Hereford cows and three Aberdeen-Angus cows are on hand. In order to have these two breeds properly represented, a few females should be added to the herds this next year.

Experiments with Beef Cattle.

In addition to the breeding herd of beef cattle, between 75 and 80 steers were purchased in November. These are being used in connection with the steer feeding trials that have been in progress at this institution for the past few years. This winter will complete the experiment started two years ago with a view to determining the relative economy of finishing steers at different ages.

One year ago feeding trials were commenced to secure data on the following questions closely related to profits in finishing steers:

1. Value of silage as compared with greenfeed.

of Blackmore Revolution, the Grand champion of the

Chicago International Exposition last year.

The Aberdeen herd now consists of twenty females.

This provides a sufficiently large herd as a basis for

breed improvement and a base from which good class-room

material may be selected. In the future and Aberdeen-

Angus breeds, however, this material is not quite

sufficient. This is due to the fact that very few females

calves have been produced and within recent years no

have been purchased. Only six Aberdeen cows and three

Aberdeen-Angus cows are on hand. In order to have these

two breeds properly represented, a few females should be

added to the herd this next year.

Experiment with feed trials.

In addition to the breeding herd of head cattle, 1924

75 and 80 steers were purchased in November. These are

being used in connection with the feed feeding trials and

have been in progress at this institution for the past few

years. This winter will complete the experiment started

two years ago with a view to determining the relative

cost of finishing steers at different ages.

The year ago feeding trials were continued to compare

data on the following questions closely related to profit

in finishing steers:

1. Value of range as compared with grain.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

2. The relative economy of full grain feeding and limited grain feeding.
3. The economy of feeding oil meal.
4. A comparison of the feeding value of oat hay and alfalfa hay.

It will require two years' work yet to complete the four experiments mentioned. Already considerable valuable data have been secured, and with the continuation of these trials, this institution should be in a position to offer, to those interested in feeding steers, reliable information on the various problems relating to this important phase of the cattle industry in Alberta.

Steer Exhibit

The University of Alberta in co-operation with a number of prominent breeders in the Province of Alberta were able to send forward to the eastern shows a creditable exhibit of market steers again this year. This is the fourth time that the province has been represented at the larger exhibitions by an exhibit from this institution. Seventeen steers in all, made up this year's shipment. The entire lot was shown at the Royal Agricultural Winter Fair, following this nine steers were shipped to Chicago to the International Livestock Exposition, the remaining eight went on to the Ottawa show which was held the same week at Chicago.

REPORT OF THE COMMISSION OF AGRICULTURE FOR THE YEAR 1922

8. The relative economy of full grain feeding and limited grain feeding.

9. The economy of feeding oil meal.

10. A comparison of the feeding value of oat hay and alfalfa hay.

If all reports are given, work will be completed by

four experiments mentioned. Almost immediately after these data have been secured, and with the completion of these trials, this institution should be in a position to offer to those interested in feeding horses, reliable information on the various problems relating to their important share of the equine industry in Alberta.

Summary

The University of Alberta in co-operation with a number of prominent breeders in the Province of Alberta have decided to send forward to the coming season a considerable number of horses again this year. This is the largest lot that the province has been represented at the larger exhibitions by an exhibit from this institution. The entire season in all, made up this year's shipment. The entire lot was shown at the Royal Agricultural Winter Fair, following this time horses were shipped to Chicago to the International Livestock Exposition, the remaining lot to go to the Ottawa show which was held the same week at Chicago.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1934

The arrangement by which this exhibit by the University is made possible is fairly familiar to everyone. Pure-bred male calves from a number of the good herds in the province are donated to the University, with the understanding that this institution undertakes to fit and show these animals. The primary object of this scheme is to have Alberta bred cattle, fed on home grown feeds, compete with animals from other parts of Canada and the United States with a view to demonstrating the possibilities of Alberta from the standpoint of the production of high class beef cattle.

The Alberta Provincial Government through its Department of Agriculture in co-operation with the Federal Livestock Branch at Ottawa generously paid the freight charges on this year's exhibit. This assistance is very much appreciated, not only from the point of view of helping to relieve the financial strain connected with showing, but it is also an indication that the policy of exhibiting western livestock at the larger shows in Eastern Canada and the United States is considered to be worth-while. The following information gives in detail the winnings of the various animals at the different shows together with the breeders in each case.

18-00000 1000 01

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

Details of University of Alberta winnings at the Royal
Agricultural Winter Fair, Toronto, The International Livestock
Exposition, Chicago, and the Ottawa Winter Fair, 1924

Market Cattle

	<u>Class</u>	<u>Breed</u>	<u>Name of Animal</u>	<u>Breeder</u>
	Jr. Yearling	Shorthorn	Casalta Victor	J.C.C. Clark & Son Clark Manor
	"	"	Lovely Supreme	University of Alberta
n	Sr. Calves	"	Lancaster Signet	W.W. Sharpe, Stettler
	"	"	Beauty's Heir	J.L. Walter, Clive
	" Yearling	Hereford	Don Radio	University of Alberta
n	Jr.	"	Hinda Pride U.A.	University of Alberta
	"	"	Oloha Donald 113	W.M. Parslow, Calgary
	"	"	Rival Brae U.A.	University of Alberta
	Sr. Calves	"	Lord Lark U.A.	University of Alberta
	"	"	Donald U.A.	University of Alberta
	Jr. Yearling	Aberdeen-Angus	Alta. Bartlett	A.E. & E.S. Clemens Sedgewick
	"	"	" Beau Model	Dickson & Hunter Innisfree
	Sr. Calves	"	" Fridevan E.E.S.	Experimental Farm Lacombe
	Jr.	"	" University Sambar	University of Alberta
	" Yearlings	Grade & Cross bred	Victors Pride	University of Alberta
	"	"	E.F. Demonstrator	E.F. Ranch, Pekisko
Group of three steers under 1000 pounds			(J.L. Walters - Clive (Experimental Farm, Lacombe (University of Alberta	
on Group of three steers 1000-1199 pounds			{ W.W. Sharpe, Stettler { W.M. Parslow, Calgary (University of Alberta	
Group of three steers over 1200 pounds			{ A.E. & E.S. Clemens, Sedgewick { J.C. Clark & Sons, Clark Manor (University of Alberta.	
"	"	"	"	(Dickson & Hunter, Innisfree (University of Alberta (University of Alberta
"	"	"	"	(J. Chas. Yule, Carstairs (E.F. Ranch, Pekisko (University of Alberta.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

Faculty of University of Alberta winners of the Royal

Agricultural Winter Fair, Calgary, The International Livestock

Exposition, Chicago, and the O'Connell Winter Fair, 1924

Market Gains

Class	Breed	Name of Animal	Breeder
1st Yearling	Shorthorn	Cassie Victor	L. G. Clark & Son Clark Manor University of Alberta
"	"	Lovely Supreme	"
2nd Calves	"	Lamaster Ringer	E. W. Sharpe, Assistant J. M. Lister, Ovine University of Alberta
"	"	Beauty's Hair	"
"	Yorkling	Don Radio	University of Alberta
3rd "	"	India Prince U.A.	University of Alberta
"	"	Oliver Donald 112	E. M. Henson, Calgary University of Alberta
"	"	Wise Tree U.A.	University of Alberta
"	"	Gold Leaf U.A.	University of Alberta
4th Calves	"	Donald U.A.	University of Alberta
5th Yearling	Shorthorn	Alfred, President	A. E. S. S. S. S. S. Bedgwick Dickson & Hunter Institute Experimental Farm Lacombe University of Alberta
"	"	Sean Noble	"
6th Calves	"	Trimmer, A.E.S.	"
7th "	"	University Gainers	University of Alberta
"	Yearling Grade 2	Victory Prince	University of Alberta
"	Cross bred	E. F. Benson/Proby	E. F. Benson, Lacombe (J. E. Wilson - Ovine (Experimental Farm, Lacombe (University of Alberta)
Group of three steers under 1000 pounds	"	"	(W. W. Sharpe, Assistant (E. M. Henson, Calgary (University of Alberta)
Group of three steers over 1000 pounds	"	"	(A. E. S. S. S. S. S. S. (L. G. Clark & Son, Clark Manor (University of Alberta) (Dickson Hunter, Institute (University of Alberta) (University of Alberta) (J. E. Wilson, Lacombe (J. E. Wilson, Lacombe (University of Alberta)

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

Sheep

<u>Class</u>	<u>Breed</u>	<u>Breeder</u>
Ram Lambs	Hampshire	University of Alberta
" "	"	University of Alberta

Summary of Toronto Winnings - twenty animals showing

- 3 - Champions.
- 7 - Firsts
- 4 - Seconds
- 3 - Thirds
- 2 - Fourths
- 3 - Fifths
- 3 - Sixths
- 1 - Seventh

Table

Class

San Jacinto

Group

Topographic

Location

University of Alberta

University of Alberta

of Toronto University - twenty minutes

1 - Champions

2 - Fifth

3 - Second

4 - Third

5 - Fourth

6 - Fifth

7 - Sixth

8 - Seventh

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

Market Cattle

<u>Class</u>	<u>Breed</u>	<u>Name of Animal</u>	<u>Breeder</u>
Jr. Yearling	Shorthorn	Casalta Victor	J.G.Clark & Sons Clark Manor
Sr. Calves	"	Lancaster Signet	W.W.Sharpe, Stett
Jr. Yearling	Hereford	Linda Pride U.A.	University of Alt
"	"	Oloha Donald 112th	W.M.Parslow, Calgary
"	Aberdeen-Angus	Beau Model	Dickson & Hunter Innisfree
"	"	Alta. Bartlett	A.E.&E.S.Clemens Sedgewick
"	John Clay Special	Linda Pride U.A.	University of Alta
"	"	Casalta Victor	J.G.Clark & Sons Clark Manor
Group of five steers	"	"	(J.G.Clark & Son (Clark Manor (A.E.&E.S.Clemens (Sedgewick (Dickson & Hunter (Innisfree (W.M.Parslow, Calgary (University of Alberta.

ry of Chicago Winnings - Eight animals showing

- 1 - Reserve Champion
- 2 - Firsts
- 3 - Thirds
- 1 - Fourth
- 1 - Sixth
- 1 - Eight
- 1 - Ninth
- 1 - Tenth

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

Market Cattle

Class	Breed	Name of Animal	Owner
Tr. Yearling	Shorthorn	Cassie Victor	J.G. Clark & Sons
Tr. Yearling	"	Lancaster signed	Clark Manor
Tr. Yearling	Heterford	Linda Wride U.A.	W.E. Shorge, State
"	"	Globe Bonola 1130	University of Ala.
"	"	"	W.M. Parlow, Calif.
"	Aberdeen-Angus	Born Model	Dickson & Hunter
"	"	Alta. Partlett	Institute
"	"	"	A.E.E.E. Clemens
"	"	"	Seegewick
"	John Gray Special	Linda Wride U.A.	University of Ala.
"	"	Cassie Victor	J.G. Clark & Sons
"	"	"	Clark Manor
Group of five	"	"	J.G. Clark & Sons
Specs	"	"	Clark Manor
"	"	"	A.E.E.E. Clemens
"	"	"	Seegewick
"	"	"	Dickson & Hunter
"	"	"	Institute
"	"	"	W.M. Parlow, Calif.
"	"	"	University of Ala.

of Chicago Winnings - Eight animals showing

- Reserve Champion
- First
- Third
- Fourth
- Sixth
- Eighth
- Ninth
- Tenth

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1984

Market Cattle

<u>Class</u>	<u>Breed</u>	<u>Name of Animal</u>	<u>Breeder</u>
Jr. Yearling	Shorthorns	Craven Snowman	J. Chas. Yule, Carstairs.
"	Crossbred	Victors Pride	University of Alta
"	Grade	E.P. Demonstrator	E.P. Ranch, Pekisko
"	Hereford	Rival Brac W.A.	University of Alta
Sr. Calves	Shorthorn	Beautys Heir	J.S. Walters, Clive
"	Aberdeen-Angus	Prideman L.E.S	Exper. Farm, Lacombe
"	Hereford	Donald W.A.	University of Alta.
Jr. Calves	Aberdeen-Angus	University Samborn	University of Alta.

d- Groups of three steers under 1200 pounds (J.L.Walters, Clive
(University of Alberta
(University of Alberta

Experimental Farm, Lacombe
B.P. Ranch, Pekisko
University of Alberta.

Summary of Ottawa Winnings - Nine animals showing

- 1 - First
1 - Second
2 - Thirds
2 - Fourths
2 - Fifths
2 - Sixths

Market Cattle

Class	Sex	Name of Animal	Owner
17. Yearling	Shorthorn	Orvan Snowman	J. Chas. Tule, Carleton, University of Alberta
"	Charolais	Victor White	E. P. Tomlinson, University of Alberta
"	Grade	E. P. Tomlinson	E. P. Tomlinson, University of Alberta
"	Hereford	Rival Two W. W.	J. K. Watson, Cive, Expts. Farm, Carleton, University of Alberta
18. Calf	Shorthorn	Scouty Heir	Donald W. A., University of Alberta
"	Hereford	Donald W. A.	Donald W. A., University of Alberta
19. Calf	Hereford	Donald W. A.	Donald W. A., University of Alberta

Groups of three steers under 1200 pounds

17. Yearling	Shorthorn	Orvan Snowman	J. Chas. Tule, Carleton, University of Alberta
"	Charolais	Victor White	E. P. Tomlinson, University of Alberta
"	Grade	E. P. Tomlinson	E. P. Tomlinson, University of Alberta
"	Hereford	Rival Two W. W.	J. K. Watson, Cive, Expts. Farm, Carleton, University of Alberta
"	Shorthorn	Scouty Heir	Donald W. A., University of Alberta
"	Hereford	Donald W. A.	Donald W. A., University of Alberta
"	Hereford	Donald W. A.	Donald W. A., University of Alberta

Group of three steers under 1200 pounds

- 1 - First
- 1 - Second
- 2 - Third
- 2 - Fourth
- 2 - Fifth
- 2 - Sixth

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

Dairy Cattle

Four females and a herd sire were added to the Holstein herd during the year. These animals were purchased from the herd of W.C.Houck and Sons, of Chippawa, Ontario. They are all descended from the Jamina family and will strengthen this particular breed of dairy cattle at this institution. The herd now number 42, made up of 29 head of Holstein and 13 of Jerseys. During the present year satisfactory progress has been made in the treatment of vaginitis in the dairy herd. Several cases of abortion occurred during the early part of the year, but at the present time all the animals of breeding age, with the exception of four, have either calved normally, or are well advanced in calf.

In spite of the fact that the total milk yield in the dairy herd has been lessened, due to the failure of some of the animals to breed regularly, some very creditable individual records have been made. In the Holstein herd the cows that completed records during the year made an average of 14,630 pounds of milk and 528 pounds of fat, two of these being only 4 years old. In the Jersey herd 2 two-year old heifers averaged 8,254 pounds of milk and 467 pounds of fat.

It is hoped that during the next year a small herd of Ayrshires may be established at this institution. Not only

Dairy Cattle

Four females and a half sire were added to the

Holstein herd during the year. These animals were purchased

from the herd of W.C. Moore and Sons, of Chicago, Ontario.

They are all descended from the Holstein family and will

strengthen this particular breed of dairy cattle as well

as the herd. The herd now number 43, made up of 23 head

of Holsteins and 13 of Jerseys. During the present year

extensive progress has been made in the breeding of

animals in the dairy herd. Several cases of abortion

occurred during the early part of the year, but at the

present time all the animals of breeding age, with the

exception of four, have either calved normally, or are

well advanced in calf.

In spite of the fact that the total milk yield in the

dairy herd has been lessened, due to the failure of some

of the animals to breed regrettably, some very creditable

individual records have been made. In the Holstein herd

the cows that completed records during the year made an

average of 14,650 pounds of milk and 525 pounds of fat.

Two of these being only 4 years old. In the Jersey herd

2 two-year old heifers averaged 6,125 pounds of milk and

447 pounds of fat.

It is hoped that during the next year a small herd of

Jerseys may be established at this institution. For sale

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

is it desirable to have a few representatives of this breed for class-room work, but the fact that the Ayrshires are well adapted to conditions in Alberta would mean that much valuable work could be done by the institution in providing good breeding stock to dairymen throughout the province.

No experimental work was possible with the dairy herd during the present year. An insufficient number of cows, all in milk at the same time, together with inadequate equipment to carry on the work was responsible for this. Considerable experimental work in connection with dairy production should be undertaken just as soon as possible, and it is hoped that some of it may be started during the next year.

Very little progress in the development of a dairy herd at the University is possible until a new dairy barn is available. At the present time, one wing of the beef barn is used for housing the dairy stock. The herd has already outgrown this. The dairy industry in Alberta has grown during the past few years, and if the University is to help to develop this important phase of agriculture, a larger, better equipped dairy barn is a necessity.

Sheep

Five breeds of pure-bred sheep are maintained at the University. The policy of keeping this number of breeds,

REPORT OF THE JOINTS OF AGRICULTURE FOR THE YEAR 1934

It is desirable to have a few representatives of this
bureau for a time or two. But the fact that the
bureau are well adapted to conditions in Alberta would
mean that much valuable work could be done by the Institute
when in providing good breeding stock to farmers through
out the province.

An experimental work was possible with the dairy herd
during the present year. An insufficient number of cows
all in milk at the same time, together with inadequate
equipment to carry on the work was responsible for this.
Considerable experimental work in connection with dairy
production should be undertaken next year as soon as possible,
and it is hoped that some of it may be started during the
next year.

Very little progress in the development of a dairy
herd at the University is possible until a new dairy farm
is available. At the present time, one half of the best
farms is used for housing the dairy stock. The herd has
already outgrown this. The dairy industry in Alberta has
grown during the past few years, and it is the University is
helping to develop this important phase of agriculture, a
larger, better equipped dairy farm is a necessity.

Sheep

Five pounds of photo-graphs sheep are maintained at the
University. The policy of keeping this number of breeds

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

while necessary from the standpoint of class-room material, does not permit the building-up of large flocks of any one breed. There is an increasing demand each year for breeding stock from the University flock. During 1924 approximately 30 head were disposed of to breeders throughout the province. Many orders that were received could not be filled, as the policy has been to cull closely and dispose of nothing for breeding purposes except high class animals.

Three Hampshire lambs were exhibited this year for the first time at the Royal Agricultural Show at Toronto. In a strong class of ram lambs, the two rams shown by the University stood first and fourth.

A flock of 137 grade ewes, developed from range stock with the use of pure-bred sires, is now on hand. These are used largely for experimental purposes. Considerable valuable data are being accumulated in the experiments now in progress as follows:

1. To note the effect of breeding lambs as influencing the size, vitality and reproduction of the ewes and their offspring.
2. To compare the value of oat and sunflower silage for feeding pregnant ewes.
3. To ascertain the effect of different rations on the prevalence of goitre.

REPORT OF THE BOARD OF AGRICULTURE FOR THE YEAR 1914

While necessary from the standpoint of class-room material, does not justify the building-up of large flocks of any one kind. There is an increasing demand each year for fresh eggs from the University flock. During 1914 approx-

imately 35,000 eggs were obtained of the University throughout the province. Many orders that were received could not be filled, as the policy has been to sell directly and eliminate of middlemen for breeding purposes except high class material.

Three Hampshire flocks were exhibited this year for the first time at the Royal Agricultural Show at Toronto. A strong class of ten flocks, the two were won by the University flock first and fourth.

A flock of 127 fresh eggs, delivered from single birds with the use of wire-bred stock, is now on hand. These are used largely for experimental purposes. Considerable valuable data are being accumulated in the experiments now in progress as follows:

1. To note the effect of breeding flocks on increasing the size, vitality and reproduction of the stock and their progeny.
2. To compare the value of and egg production of single and double breeding flocks.
3. To ascertain the effect of different seasons on the prevalence of disease.

prevalence of disease.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

4. To determine the economy of linseed oil meal for fattening lambs when fed oat hay and alfalfa hay.
5. A comparison of the efficiency of mature and immature oat hay for fattening lambs.
6. To test the suitability of sweet clover, alfaswede clover, oats, rape, and a mixture of oats and rye pasture for suckling swes and lambs.
7. To determine the value of minerals for fattening lambs.

Several years' work have already been done on a number of the above experiments, but the information obtained has not been sufficient to warrant any publication, other than mimeographed summaries which are available to those especially interested.

Swine

The Swine Department has experienced a good year and in spite of the fact that hog prices have not been any too satisfactory, current and capital sales for the year total approximately six thousand dollars. Some 50 sows farrowed in the spring, and losses were small with the spring pig crop. On account of the fact that a considerable percentage of the sows did not farrow until late in April, the usual number were not bred for fall litters. About 100 head of fall pigs will be carried through the winter. With present feed prices, this looks like a sufficient number.

REPORT OF THE COMMISSION OF AGRICULTURE FOR THE YEAR 1964

4. To determine the economy of land use and soil for
farming lands when fed and other crops are
5. A comparison of the efficiency of water and fertilizer
cost for farming lands.
6. To test the suitability of water, fertilizer, and
clover, oats, rape, and a mixture of oats and the
pasture for grazing with the land.
7. To determine the value of minerals for farming
lands.

General notes: The information obtained has
of the above experiments, the information obtained has
not been sufficient to warrant any conclusion, other than
that the information which was available to these experi-
ments was insufficient to warrant any conclusion.

Swine

The Swine Experiment has consisted of a 100 acre and
in the of the 100 acre plot which have not been any too
satisfactory, current and capital value for the year 1964
approximately six thousand dollars. Some 50 cows have
in the spring, and losses were small with the spring pig
crop. On account of the fact that a considerable number
one of the cows did not farrow until late in April, the
small number were not bred for this winter. About 100
head of fall pigs will be marketed through the winter. With
present feed prices, the income is a sufficient number.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

The bulk of these will be on experimental feeding.

The Tamworth and Berkshire breeds still predominate in point of numbers in the herd, but the favourable experience with Yorkshires during the past season has led to the retaining of a number of choice gilts, with a view to increasing the numbers of this breed. A number of improved Duroc-Jerseys are on hand, as well as 2 Poland-Chinas, but the representative of these breeds is not being increased. Individuals of some of the other breeds were purchased from breeders as weanling pigs and carried through till the fall for class-room work and were then marketed. During the year a considerable number of young sows and boars were sold throughout the province going as far North as Grand Prairie and South as far as Raymond.

Experiments with Swine

- Experiments with swine during the past year included
- (a) comparisons of such pastures crops as a cereal mixture, oats and fall rye, rape, alfalfa, sweet clover and sunflowers.
 - (b) a determination of the effects of feed and method of feeding on the type of hog and quality of carcass produced.
 - (c) Work with mineral mixtures both simple and complex for winter fed pigs and pigs under pasture conditions.
 - (d) Comparisons of various rations for wintering breed sows
 - (e) Further work as to profits in raising fall pigs.

The main object of the research will be to experimental feeding.

The research and technical results will be summarized

in point of numbers in the report, but the favorable experi-

ences with the results during the past season has led to

the obtaining of a number of other data, with a view to

improving the number of this breed. A number of improved

Swiss-Jersey are on hand, as well as a Island-Jersey, but

the representative of these breeds is not being maintained.

Indications of some of the other breeds were purchased from

producers as breeding pigs and carried through till the fall

for cross-breeding work and very few were maintained. During the

past a considerable number of young cows and bulls were

sent throughout the province going as far North as Grand

Pratte and South as far as Richmond.

Experiments with Swine

Experiments with swine during the past year included

(a) a comparison of such products as a corn and wheat

and fall corn, wheat, alfalfa, sweet clover and sun-

dried.

(b) a determination of the effects of food and water on

feeding on the type of hog and quality of carcass

produced.

(c) Work with mineral mixtures with alfalfa and sorghum for

water fed pigs and pigs under pasture conditions.

(d) Comparisons of various rations for wintering brood sows

(e) Further work as to profits in raising fall pigs.

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

The feeding of mineral mixtures to swine has led to very encouraging results. Fall pigs fed during the winter of 1923-24 on a straight grain ration made average daily gains of .63 pounds at a feed cost of \$6.75 per cwt. whereas pigs receiving a simple mineral mixture made average daily gains of .89 pounds at a feed cost of \$6.75 per cwt. Spring farrowed pigs carried on rape pasture during the summer, from June 26th to October 10th, and self fed a straight grain ration, made average daily gains of .66 pounds at a feed cost of \$5.78 per cwt. while those receiving a simple mineral mixture in addition to the grain ration made average daily gains of 1.31 pounds, at a feed cost of \$4.10. Where both were fed free choice the simple coal, lime, salt and sulphur mixture gave better results than more complex mixtures. Further work with mineral mixtures is being conducted during the present winter as this seems to be one of the most important lines of investigation which can be carried on.

Feeders' Day

The third annual "Feeders' Day" was held at the University about the middle of April. This means of giving publicity to the results of the experimental work in live-stock has proven very satisfactory. It is held at the time of the completion of the winter feeding trials with cattle, sheep and swine. The animals used in the tests

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

The feeding of mineral mixtures to swine has led to very encouraging results. Fall pigs fed during the winter of 1923-24 on a wheat-straw grain ration made average daily gains of 0.85 pounds at a feed cost of \$6.75 per cwt. whereas pigs receiving a simple mineral mixture made average daily gains of 0.89 pounds at a feed cost of \$6.75 per cwt. Spring farrowed pigs carried on rape pasture during the summer, from June 23rd to October 10th, and sold for straight gain ration, made average daily gains of 0.88 pounds at a feed cost of \$6.75 per cwt. While those receiving a simple mineral mixture in addition to the grain ration made average daily gains of 1.51 pounds, at a feed cost of \$4.10. These pigs were fed free choice the simple coal lime, salt and sulphur mixture gave better results than more complex mixtures. Further work with mineral mixtures is being conducted for the present winter as this seems to be one of the most important lines of investigation which can be carried on.

Teachers' Day

The third annual "Teachers' Day" was held at the University about the middle of April. This means of giving publicity to the results of the experimental work in livestock has proven very satisfactory. It is held at the time of the completion of the winter feeding trials with cattle, sheep and swine. The animals used in the tests

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

are available for inspection, and intelligent discussions on the different experimental groups are possible, and those in attendance are much better able to obtain the desired information than by means of bulletins. Approximately 250 people were present this year. These included farmers, representatives of the Provincial and Dominion Governments, who are interested in livestock, packers, commission men, and representatives of the agricultural press.

Bacon Hog Competition

In co-operation with the Provincial Department of Agriculture and the Federal Live Stock Branch a very successful short course and swine competition was held at the University in November. The objects of this course were to stimulate a greater interest in the production of a better grade of hogs in Alberta, and to discuss the various questions related to the development of the swine industry in Canada. The course lasted two days. Over 200 people interested in the production of hogs were present and as an indication of the popularity of the course, there was an unanimous vote of those in attendance to have the course put on next year.

Publications

During the present year two publications have been prepared by the Department of Animal Husbandry. Bulletin

REPORT OF THE JOURNAL OF ANATOMY FOR THE YEAR 1954

the available for investigation, and intelligent discussion on the different experimental groups are possible, and those in attendance are much better able to obtain the desired information than by means of isolated lectures. These included almost 200 people were present this year. These included scientists, representatives of the provincial and federal governments, who are interested in livestock, poultry, commission men, and representatives of the agricultural press.

Basic Non-Genetic

In co-operation with the Provincial Department of Agriculture and the Federal Live Stock Branch a very successful short course and basic competition was held at the University in November. The object of this course was to stimulate a greater interest in the production of a better grade of pigs in livestock, and to discuss the various questions related to the development of the swine industry in Canada. The course lasted two days. Over 200 people interested in the production of pigs were present and an indication of the popularity of the course, that an attendance vote of those in attendance to have the course put on next year.

Publications

During the present year two publications have been prepared by the Department of Animal Husbandry. Bulletin

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

No.8" Oat vs. Sunflower silage for Fattening steers" is a complete report of three years' work comparing these two silages for finishing steers. Circular No.3" Steer Feeding in Alberta" was prepared with a view to encouraging the finishing of more steers in the Province of Alberta. The various problems in connection with the feeding, purchasing and marketing of steers is dealt with in as practical a manner as possible.

The Farm

There is a total of 430 acres in the University farm. A small section approximately 40 acres is close to the University campus. This is taken up with the farm buildings a number of small paddocks and fields that are used for pasture for the dairy herd, and a run for the other stock.

The main farm is situated about 2 miles south of the farm buildings. It consists of 370 acres, and is all cleared except 95 acres still in bush and ravine, and that provides a limited amount of pasture. Forty acres of the main farm have been set aside for carrying on pasture and feeding experiments with sheep and swine. Over half of the remainder of the farm is laid off into 20 acre fields with a central lane. A good part of it is well fenced with woven wire fence. Approximately 50 acres of the uncleared land, while giving some returns in the way of pasture, could be used to much better advantage if it were cleared and

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

will be devoted to this mixture, rather than depend on annual pastures, as has been the case in the past. An attempt has also been made this year to grow sweet clover. In case this comes through the winter satisfactorily, it will help materially to solve the difficult problem of providing sufficient pasture to carry the live stock through the summer.

One of the biggest handicaps existing at present is the lack of water on the south farm. During the summer when the stock is on pasture, it means that water has to be hauled a distance of 2½ miles. At a very low estimate this costs not less than \$1.000. At certain seasons of the year the roads are very soft, and for weeks at a time it is necessary to use four horses to haul water. The extension of the city water main to the south farm would mean a great saving in farm operating expenses.

The unsatisfactory condition of the road to the farm has already been mentioned. Much hauling of feed and manure, throughout the year, has to be done over this road. Grading of a section of this road for a distance of one mile together with filling in some of the places with cinders would mean a big improvement.

Considerable repairing to the fences in the hog and sheep runs was necessary this year. These fences have been up for some time, the posts are rotted and the wire

REPORT OF THE COMMISSION OF AGRICULTURE FOR THE YEAR 1924

will be devoted to this mixture, rather than depend on
animal manure, as has been the case in the past. An
attempt has also been made this year to grow sweet clover.
In case this comes through the winter satisfactorily, it
will help materially to solve the difficult problem of
providing sufficient manure to carry the live stock through
the summer.

One of the biggest handicaps existing at present is the
lack of water on the south farm. During the summer when
the stock is on pasture, it means that water has to be
hauled a distance of 2 1/2 miles. At a very low estimate
this constant haul that \$1,000. At certain seasons of the
year the roads are very soft, and for weeks at a time it is
necessary to use four horses to haul water. The extension
of the city water main to the south farm would mean a great
saving in farm operating expenses.

The unsatisfactory condition of the road to the farm
has already been mentioned. Much hauling of feed and
manure, throughout the year, has to be done over this road.
Grading of a section of this road for a distance of one
mile together with filling in some of the places with
clay would mean a big improvement.

Considerable repairing to the fences in the hog and
sheep runs was necessary this year. These fences have
been up for some time, the posts are rotted and the wire

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

in many places is loose and broken. New fences will be required next year in these lots as the present fences are past the stage where any more repairing is possible.

All farm equipment and implements are in fairly good condition, and with the exception of a new binder very little new machinery will need to be purchased this year.

The crop on the University farm, this year, was quite satisfactory. The weather during the earlier part of the season was somewhat dry, but the rain in July came in time to mature the crop and also aided materially in reviving the pasture. In addition to the pasture and silage crops considerable green feed was harvested.

EXTENSION

The extension work of the College of Agriculture is made up of various activities chief of which are;

1st.- An extensive correspondence on technical problems which is handled either directly through each department or, when practicable, through a special member of the University Extension Department.

2nd.- Addresses at public meetings, public conventions, U.F.A. Locals, technical conventions. Some of these are arranged for by the University Extension Department.

3rd.- Taking part in short courses under the auspices of the Provincial Department of Agriculture. Along with this may be included consultation work and work on

REPORT OF THE COMMISSION OF AGRICULTURE FOR THE YEAR 1934

In many places in Iowa and broken. New fences will be
replaced next year in those parts of the present fences
and part the stage where any more traveling is possible.
All farm equipment and implements are in fairly good
condition, and with the exception of a few minor very ill
new machinery will need to be purchased this year.
The crop on the University farm, this year, was quite
satisfactory. The weather during the earlier part of the
season was somewhat dry, but the rain in July came in time
to mature the crop and also added materially in raising
the yields. In addition to the wheat and maize crops
considerable green feed was harvested.

EXTENSION

The extension work of the College of Agriculture is
made up of various activities chief of which are:
1st. - An extensive correspondence on technical problems
which is handled either directly through each department or
when practicable, through a special member of the University
extension department.
2nd. - Addresses at public meetings, radio convention
U.P.A. local, technical conventions. Some of these are
arranged for by the University extension department.
3rd. - Taking part in short courses under the auspices
of the Provincial Department of Agriculture. Along with
this may be included consultation work and work on

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1924

committees at the request of the Department of Agriculture.

4th.- Technical work carried on in conjunction with the Federal Department of Agriculture.

5th.- Reports on completed work through the Agricultural Publications Committee.

Acknowledgement is hereby made of the hearty sympathy and cooperation experienced in the work of the College in its relationship to the different Breed Organizations. Dairymen's Association, Fair's Associations, Provincial Seed Growers' Associations, Canadian Seed Growers' Associations, and other forms of organized agricultural effort.

All of which is respectfully submitted.

E. A. Howes

E. A. Howes,
Dean.

REPORT OF THE COMMISSION OF AGRICULTURE FOR THE YEAR 1934

consisted of the request of the Department of Agriculture.

The Federal Department of Agriculture.

the Federal Department of Agriculture.

the Federal Department of Agriculture.

the Federal Department of Agriculture.

the Federal Department of Agriculture.

the Federal Department of Agriculture.

the Federal Department of Agriculture.

the Federal Department of Agriculture.

the Federal Department of Agriculture.

the Federal Department of Agriculture.

the Federal Department of Agriculture.

F. L. Howard

E. A. Howard,
Dean.

A P P E N D I X I I

.....

THE REPORT OF THE DEPARTMENT OF EXTENSION

.....

ATTEST

THE ABOVE IS THE CONTENT OF THE INSTRUMENT IN TESTIMONY

Annual Report of The Department of Extension for Year Ending June 30th, 1924

November, 1924.

Dr. H. M. Tory,
President,
University of Alberta.

Sir,—

I have the honour to present herewith report on the work of the Department of Extension for the academic year ending June 30th, 1924.

Historical Sketch.

From its very beginning the University of Alberta has undertaken extension work in the form of lectures by members of its staff in a number of important provincial centres, but special emphasis was laid upon this side of the University's activities by the appointment in May, 1912, of a special secretary of the Department of Extension. This officer undertook the task of systematizing the extension work in such a way as to enable the University to achieve more fully the important function of reaching in its educational work the people of the province at large.

The Department of Extension also inaugurated in 1913 a press bulletin, a system of travelling libraries, and a bureau of information from which literary clubs and debating societies can obtain briefs on issues of all sorts. It organized in the same year a high school debating league which has stimulated very remarkably the interests of the secondary schools of the Province in argumentation and public speaking. A new departure in 1915 was the presentation to Edmonton and Calgary audiences of a series of discussions on the social problems of western Canadian life.

The year 1916 saw the organization of leadership conferences, since that time annual events, and in 1917 a visual instruction service was added. A large library of lantern slides and moving picture films has been developed. A recent development has been the inauguration of tutorial classes in economics to which other subjects will be added as the need and opportunity require. To this has now been added correspondence tuition, which has been widely called upon.

Extension Lectures.

During the period covered by the report, 391 extension lectures have been given with an approximate aggregate attendance of 43,730 and an average attendance of 117; this in comparison with 398 lectures with an approximate aggregate attendance of 45,652 and an average attendance of slightly over 114, for the same period last year. The average attendance for extension lectures can never be large for the reason that many of them are given at remote village and country points often far from towns or railway centres. Very often an audience of fifty earnest people in a lonely country school, hall or church, seems more worth while to the extension lecturer than a much larger audience in an urban centre.

The demand for special lectures to Boards of Trade, and other bodies, has continued. Courses were given to the Edmonton Board of Trade, the Calgary Board of Trade, the High School Teachers' Alliance, Calgary, and also to a group of employed women in connection with the Edmonton Y.W.C.A.

Tutorial Classes.

One tutorial class was continued with the Edmonton Trades and Labor Council. A course of 7 lectures was given from October 24th to December 5th, 1923. The lecturers participating were: Dean Boyle, Prof. Burt, and Mr Patton. The latter gave a course on "Economics of Unemployment," consisting of five lectures.

A night class at the Edmonton Technical School was conducted weekly for 17 weeks, from November to March. There was a registration of 44 for this class, and a total attendance of 410.

Correspondence Courses.

Two correspondence courses were offered by the Department during the current academic year—one on "Principles of Political Economy," for which there were 34 new registrations; and one on "Economics of Agriculture," for which there were 16 registrations. The total number of papers sent in in connection with these courses exceeded 400.

Debating and Public Discussion.

During the year covered by the report 711 package libraries for debaters were sent out as compared with 843 for last year. The six most popular subjects and the number of times material on them was asked for was as follows:

Immigration (Agricultural)	62 times
Chinese and Japanese Immigration.....	60 times
Control of Natural Resources	45 times
Motion Pictures	36 times
Rural vs. City Life	35 times
Prohibition	26 times

Provincial High School Debating League.

Twenty-four High Schools entered the Provincial High School Debating League for the term—17 in "B" Division for the junior High Schools, and 7 in "A" Division for the city schools. The subjects debated were: "Resolved, that the Dominion Government should at this time vigorously prosecute a campaign to attract agricultural immigration to Canada," and "Resolved, that the Government of Canada should at once take steps to co-operate with the United States in the joint construction of the Great Lakes-St. Lawrence Ship Channel." After a keen contest, the championships in the respective divisions were won by the Lethbridge High School and the Magrath High School. The previous high standard for these debates was more than maintained.

Travelling Libraries.

During the period covered by this report, 302 exchanges were made of travelling libraries, serving 275 communities. Altogether 241 libraries are in circulation—187 "regular" travelling libraries and 54 "special" libraries.

Classification of groups applying for these libraries was as follows:

Community Groups	92
U.F.A.	43
U.F.W.A.	17
Women's Institutes	16
School Districts	68
Other Organizations	39

The highest circulation for any one library was 454.

Open Shelf.

The average circulation for the "regular" libraries was 60.2, and for the "special" libraries 70.0.

From the Open Shelf of the Travelling Library Division 8,113 books of non-fiction were circulated, an average of 675.25 per month, and 1,513 books of standard fiction, as compared with 6,543 and 641 for the previous year. These have been used by professional and business men in the small towns and villages throughout the province, but the largest proportion of readers are farmers and teachers in rural districts. Of pamphlets, other than debating material, 698 were circulated as compared with 797 for the previous year.

A new departure is that of supplying prints of pictures, more especially for use in foreign schools. During the ten months that this work has been carried on 404 pictures have been sent out.

Plays have been supplied to 241 communities as compared with 195 for the previous year.

VISUAL INSTRUCTION.

Lantern Slides.

The lantern slide service continues to be very popular. During the year about 25,000 exchanges of sets were supplied to schools, public, colleges and high, churches of all denominations including Methodists and Ladies Aid, Salvation Army, Boys' Work Board, Boy Scouts, Travelling Sunday School (Langhorne), Public Libraries, Literary Societies, clubs and community organizations of various kinds, temperance societies, Women's Institutes and U.F.W.A., Boards of Trade, Indian Schools, Summer camps, Orphanages, Locals of the U.F.A., doctors for medical lectures, hospitals and private homes. From returns made the slides were shown 2,500 times to audiences aggregating 110,227. These figures show a very slight decrease by comparison with the preceding year, probably accounted for by the late harvest.

Moving Picture Films.

During the year 384 sets of moving picture films were sent out and used 542 times with audiences aggregating 27,982. Among the organizations and communities served were city and country churches of all denominations, schools of all sorts, various departments of the government service, mental hospital at Oliver, boys' clubs, Y.M.C.A., farmers' organizations, Community Leagues, Imperial Order of the Daughters of the Empire, United Grain Growers, Dominion Chautauque, public meetings of various sorts, summer camps and communities. The number of exchanges made was exactly the same as for the preceding year.

Lantern Loaning Service.

There has been a big increase in the number of lantern loaned. During the period covered by the report, 209 lantern outfits were loaned at a nominal rental as compared with 120 outfits for the previous year.

A new departure has been made in the Visual Instruction work by employing an operator who was put on a circuit. His work was started about the middle of March and discontinued early in May. Thirty-four exhibitions were given in 25 communities. The aggregate attendance was 1,605—an average of 100. The only picture used in this connection was a special film on the life of Christ entitled "From the Manger to the Cross," and all arrangements were made with ministers of churches.

The invention of the Trans-lux screen for daylight projection has uncovered great possibilities in the visual instruction field. We are now investigating this invention with a view to putting it in use in the province, where it will doubtless prove of special value in view of the long hours of daylight.

Publications.

Sixteen issues of the Press Bulletin have been published. The circulation has increased to over 1,300. This is due to a considerable number of names having been placed on the mailing list by special request.

VISUAL INSTRUCTION.

Lantern Slides.

The lantern slide service continues to be very popular. During the year slides to the number of 1,597 exchanges of sets were supplied to schools—public, separate and high; churches of all denominations including Mission Bands and Ladies' Aids, Salvation Army, Boys' Work Board, Boy Scouts, Travelling Sunday School (Anglican), Public Libraries, Literary Societies, clubs and community organizations of various kinds, fraternal societies, Women's Institutes and U.F.W.A., Boards of Trade, Indian Schools, Summer Camps, Orphanages, Locals of the U.F.A., doctors for medical lectures, hospitals, and private homes. From returns made the slides were shown 2,300 times to audiences aggregating 158,227. These figures show a very slight decrease by comparison with the preceding year, probably accounted for by the late harvest.

Moving Picture Films.

During the year 384 sets of moving picture films were sent out and used 542 times with audiences aggregating 48,982. Among the organizations and communities served were city and country churches of all denominations, schools of all sorts, various departments of the government service, mental hospital at Oliver, boys' clubs, Y.M.C.A., farmers' organizations, Community Leagues, Imperial Order of the Daughters of the Empire, United Grain Growers, Dominion Chautauqua, public meetings of various sorts, summer camps and communities. The number of exchanges made was exactly the same as for the preceding year.

Lantern Loaning Service.

There has been a big increase in the number of lanterns loaned. During the period covered by the report, 209 lantern outfits were loaned at a nominal rental, as compared with 130 outfits for the previous year.

A new departure has been made in the Visual Instruction work by employing an operator who was put on a circuit. His work was started about the middle of March and discontinued early in May. Thirty-four exhibitions were given in 29 communities. The aggregate attendance was 6,605—an average of 195. The only picture used in this connection was a special film on the life of Christ entitled "From the Manger to the Cross," and all arrangements were made with ministers of churches.

The invention of the Trans-lux screen for daylight projection has uncovered great possibilities in the visual instruction field. We are now investigating this invention with a view to putting it in use in the province, where it will doubtless prove of special value in view of the long hours of daylight.

Publications.

Sixteen issues of the Press Bulletin have been published. The circulation has increased to over 1,900. This is due to a considerable number of names having been placed on the mailing list by special request.

The policy of having special articles contributed by members of the staff has been followed, and the bulletin has been widely quoted outside of the Province. Such publications as "The Toronto Saturday Night," "Le Devoir," "La Presse," the French papers of Edmonton, "The Christian Guardian," and Winnipeg papers, have made free use, with due credit, of our material. It has been used for propaganda or instructional purposes by the University Hospital, the Edmonton Technical High School, the Department of History of the University of Alberta, and the Department of Natural Resources at Ottawa.

Several bulletins and circulars on Agricultural topics also have been issued through the Department of Extension, with the Director acting as Secretary of the Committee on Agricultural Publications.

Short Courses.

The University Week for Farm Young People was held as usual this year. The attendance was 73, being somewhat less than the preceding year. This was undoubtedly accounted for by the continued financial stringency. Keen interest was shown, and a unanimous request was made for a repetition of the course.

Conferences.

Members of the staff of the Department of Extension assisted, as on previous years, at summer camps and conferences under the auspices of such organizations as the C.G.I.T. and C.S.E.T.

St. John Ambulance Association.

The Director of the Department of Extension is still acting as Honorary Secretary-Treasurer of the Alberta Council of the St. John Ambulance Association. Through this organization, valuable educational work has been done. During the year, 508 persons have been instructed in First Aid and Home Nursing and certificates issued in due course. One Alberta holder of First Aid certificate was honoured by the presentation of a medal for meritorious First Aid, resulting in saving life. The Secretary officially presented the medal at a large gathering of the C.N.R. employees.

Staff.

What has been repeatedly said on previous years still applies to the staff of the Department of Extension. The willing co-operation of all concerned has made the carrying on of the work a pleasure.

It is also timely to acknowledge the cordial co-operation of members from other Departments of the University, who have contributed either to Press Bulletins or have given lectures in connection with the work of the Department.

In general, it would seem that some branches of our work have about reached their maximum. In such Departments as Lantern Slide Service we have already far exceeded the ratio of circulation in comparison with that attained in some of the states of the United States where similar work is being carried on. We may therefore not look for a very great increase in this work until our population has been augmented.

We continue to receive from all parts of the Province warm expression of appreciation, and there is no doubt that the work of the Department continues to fill a large place in the life of the Province.

All of which is respectfully submitted.

A. E. OTTEWELL,
Director.

A P P E N D I X I I I

.....

THE REPORT OF THE PROVINCIAL LABORATORY

.....

REPORT OF THE DIRECTOR OF THE PROVINCIAL LABORATORY

1924

I have the honour to submit the following report of the work done in the Provincial Laboratory during the year 1924:-

The work of the Provincial Laboratory has increased by 30 % during the past year over the previous year. It is carried out by means of three departments- bacteriological, pathological and chemical. The pathological work is under Dr. J. J. Ower with the assistance of Dr. H. M. Vango and suitable technicians. The chemical work, such as the chemical analysis of water and milk, etc., is undertaken by the Provincial Analyst, while the bacteriological work, etc., is under the Provincial Bacteriologist with the assistance of Dr. R. M. Shaw and suitable technical help. Bio-chemical work is referred to the Biochemical department of the University, which department works courteously in conjunction with us when necessary.

REPORT OF THE DIRECTOR OF THE PROVINCIAL LABORATORY

1924

I have the honor to submit the following report of the work done in the Provincial Laboratory during the year 1924:-

The work of the Provincial Laboratory has increased by 80 % during the past year over the previous year. It is carried out by means of three departments:- bacteriological, pathological and chemical. The pathological work is under Dr. J. J. Owen with the assistance of Dr. H. M. Wang and suitable technicians. The chemical work, such as the chemical analysis of water and milk, etc., is undertaken by the Provincial Analyst, while the bacteriological work, etc., is under the Provincial Bacteriologist with the assistance of Dr. H. M. Wang and suitable technical help. Micro-chemical work is referred to the Biochemical Department of the University, which department works generously in conjunction with us when necessary.

TABLE # I

	Total No. Specimens 1923	Total No. Specimens 1924	In- crease	De- crease
COMMUNICABLE DISEASES:				
Sputum	408	433	25	
Diphtheria	1,078	1,072		6
Typhoid Fever	156	136		20
Bacteriological	594)	892)		
Chemical	281)	281)	298	
Bacteriological	545)	611)		
Bacteriological and Chemical	9)	72)		
Chemical	56)	7)	80	
MILKS;				
MOTHER'S MILK:	57	41		16
MISCELLANEOUS EXAMINATIONS:				
SMEARS FOR THE PRESENCE OF THE GONOCOCCUS:	912	1,354	442	
BLOODS FOR THE WASSERMANN TEST:	838	1,066	228	
PATHOLOGICAL HISTOLOGICAL MATERIAL:	5,061	6,479	1,418	
MEDICO LEGAL EXAMINATIONS (Included in Miscellaneous last year)	1,964	3,113	1,149	
		47		
TOTAL	11,959	15,604	3,640	42

Increase in number of specimens 3,645
 Increase in percent 30 %

Dr. J. B. Collip is head of the Bio-chemical Department of the University. Through these agencies considerable assistance has been given to the medical profession throughout the Province in matters of diagnosis - a benefit, indirectly, to the public in general. Considerable assistance has also been given to hospitals.

Table #1: sets forth details with respect to the number of varied types of examinations performed during the year. It shows an increase of 3,645 examinations over the previous year.

Table #2: shows the number of water and milk, special, and blood containers prepared and distributed during the year.

TABLE #2

	1923	1924
Bacteriological	376	414
WATER CONTAINERS:		
Chemical	269	251
SPECIAL CONTAINERS:	1,665	2,296
BLOOD CONTAINERS:	4,470	6,307
TOTAL	6,780	9,268

Increase in number of containers 2,488
 " percent 36.7%

Dr. J. B. Collyer is head of the Department of the University. Through these agencies considerable assistance has been given to the medical profession throughout the Province in matters of diagnosis - a benefit, indirectly, to the public in general. Considerable assistance has also been given to hospitals.

Table 1: sets forth details with respect to the number of various types of examinations performed during the year. It shows an increase of 3,365 examinations over the previous year.

Table 2: shows the number of water and milk, special and blood containers prepared and distributed during the year.

TABLE 2		Year.
WATER CONTAINERS:		
Chemical	1923	1924
	239	214
SPECIAL CONTAINERS:		
	1,668	2,289
BLOOD CONTAINERS:		
	4,470	6,807
TOTAL		8,563

Increase in number of containers 28.7%
Percent

Table # 3 shows the number of autogenous and other vaccines, and typhoid vaccine issued during the year. It might be mentioned that the preparation of vaccines is a technical procedure requiring time and careful manipulation. An autogenous vaccine is a vaccine made from the microbe cultivated from the patient, and, the term is used to differentiate ^{it} ~~them~~ from stock vaccines made from various species of bacteria and given in infections of these organisms. The use of typhoid vaccine is purely prophylactic - that is to say - it is used to establish immunity in individuals against typhoid fever for the purpose of controlling the spread of the disease.

TABLE #3

	1923	1924
Typhoid Vaccine	1,825 c.c.	3,150c.
Autogenous and other vaccines	575 c.c.	2,225c.
TOTAL	2,400 c.c.	4,375 c
Increase in c.c.'s	1975 c.c.	
Increase in percent	82 %	

TABLE # 4

SPECIMENS EXAMINED FOR THE DIAGNOSIS OF COMMUNICABLE DISEASES

DISEASE: Specimens	No. of	No. of		Month	Sputum	Disch.	Type'd	TOTAL
		Physicians	Post Offices					
POSITIVES								
PULMONARY TUBERCULOSIS	68	365	236	121				
				Jan.	33	119	4	156
				Feb.	39	125	6	170
				Mar.	39	150	9	198
				April	41	143	13	197
				May	42	95	4	141
				June	49	62	10	121
				July	35	47	11	93
				Aug.	31	28	14	73
				Sept.	30	78	24	132
				Oct.	34	69	23	126
				Nov.	25	70	11	106
			Dec.	35	86	7	128	
TYPHOID FEVER	26	110						
TOTAL	203	1,438	236	121	433	1,072	136	1,641

Table #4 shows the detail of some of the work done by the laboratory in relation to the control of infectious diseases.

Table #5 shows the increase in the number of blood examinations by the complement fixation test for the diagnosis of Syphilis. Dr. Shaw has been responsible for this work.

TABLE #5

Bloods Received 1924	Bloods Examined 1924	Bloods positive to reaction 1924	Bloods negative to reaction 1924	Bloods un- suitable for examination 1924
----------------------------	----------------------------	--	--	---

6,566.

6,479

1,150

5,329

87

Bloods received from Calgary and North of Calgary	5,061
Bloods received from South of Calgary	1,418
Number of blood examinations made in 1924	6,479
Number of blood examinations made in 1923	5,061
Increase in number of specimens examined	1,418
Increase in percent	28%

PATHOLOGICAL HISTOLOGICAL DIAGNOSIS

This work has increased by 58 % throughout the year. 3,113 specimens have been examined as against 1,964 last year. It will be observed that this is an important branch of the laboratory work, which has been carried out by Dr. J.J.Ower, ably assisted by Dr.H. M.Vango.

Table #6 gives the details of the bacteriological and chemical examination of water performed throughout the year

TABLE #6

	1923	1924
Number of samples of water examined bacteriologically and found unfit for human consumption	90	56
Number of samples of water examined bacteriologically and found fit for human consumption	499	827
Number of samples of ice examined bacteriologically and found fit for human consumption	4	8
Number of samples of ice examined bacteriologically and found unfit for human consumption	1	1
Number of samples of water examined chemically and found fit for human consumption	229	250
Number of samples of water examined chemically and found unfit for human consumption	52	31
TOTAL	875	1,173
Increase in number of specimens	298	
Increase in percent	34%	

This work has increased by 88% throughout the

year. 5,113 specimens have been examined as against

1,954 last year. It will be observed that this is an in-

crease of 160% in the laboratory work, which has been carried

out by Dr. J. J. Ower, and assisted by Dr. E. M. Vango.

Table 16 gives the details of the bacteriological

and chemical examination of water performed throughout the year

TABLE 16

Year	1922	1923
Number of samples of water examined bacteriologically and found unfit for human consumption	40	20
Number of samples of water examined bacteriologically and found fit for human consumption	20	20
Number of samples of ice examined bacteriologically and found fit for human consumption	4	4
Number of samples of ice examined bacteriologically and found unfit for human consumption	1	1
Number of samples of water examined chemically and found fit for human consumption	20	20
Number of samples of water examined chemically and found unfit for human consumption	20	20
TOTAL	80	80

Increase in number of specimens 100%
Increase in percent 100%

EXAMINATION OF COW'S MILK

Table #7 gives the details of these examinations.

TABLE # 7

	1923	1924
Number of samples of milk examined bacteriologically	545	611
Number of samples of milk examined bacteriologically and chemically	56	72
Number of samples of milk examined chemically only.	9	7
TOTAL	610	690
Increase in number of specimens	80	
Increase in percent	13 %	
Number of samples of milk examined showing low butter fat		8
Number of samples of milk examined bacteriologically with bacterial count above 30,000		37
Number of non-pasteurized milk samples examined bacteriologically with the bacterial count above 300,000.		108
56 pasteurized milk samples received		
634 non-pasteurized milk samples received		

EXAMINATION OF COW'S MILK

Table IV gives the details of these examinations.

TABLE IV

1934	1935	
411	340	Number of samples of milk examined bacteriologically
78	60	Number of samples of milk examined bacteriologically and chemically
7	9	Number of samples of milk examined chemically only
490	410	Total
	50	Increase in number of specimens
	13 1/2	Increase in persons
8		Number of samples of milk examined showing low bacteriologic
87		Number of samples of milk examined bacteriologically with bacterial count above 50,000
108		Number of non-pasteurized milk samples examined bacteriologically with the bacterial count above 500,000
		of pasteurized milk samples received
		and non-pasteurized milk samples received

MISCELLANEOUS EXAMINATIONS

Miscellaneous examinations show an increase of 48 %, excluding Medico Legal examinations, which, this year have been placed under a separate list. Miscellaneous examinations, therefore, include urinalysis, blood examinations other than Wassermanns, examination of foods, examinations in connection with the diseases of animals, examination of body fluids, etc., etc.

THE EXAMINATION OF SMEARS FOR GONORRHOEA

There were 27 % more examinations during the period covered by this report.

MEDICO LEGAL EXAMINATIONS

This work has included the examination of hair, clothing, and blood stains - in all 47 examinations. Examination of smears for the presence of the gonococcus have been included under the list pertaining to these smears. Examinations of Histo-Pathological nature with Medico Legal bearing have been included under the list of Histo-Pathological examinations.

MISCELLANEOUS EXAMINATIONS

Miscellaneous examinations show an interest in
as to, excluding Medical Legal examinations, which, this year
have been placed under a separate list. Miscellaneous
examinations, therefore, include physical, blood examina-
tions other than Wassermann, examination of food, ex-
aminations in connection with the diseases of animals,
examination of body fluids, etc., etc.

THE EXAMINATION OF EVIDENCE FOR FORENSIC PURPOSES

There were 147 forensic examinations during the
period covered by this report.

MEDICAL LEGAL EXAMINATIONS

This work has included the examination of hair,
clothing, and blood stains - in all 15 examinations. Exam-
ination of evidence for the purpose of the prosecution have
been included under the list pertaining to these cases.
Examinations of Histo-Pathological material under the Medical Legal
heading have been included under the list of Histo-Pathological
examinations.

In conclusion I would like to place on record my appreciation of the able assistance of the staff of the laboratory, the members of which have all performed their duties in a satisfactory manner.

I have the honour to be

Sir

Your obedient servant.

Alan Craik

PROVINCIAL BACTERIOLOGIST

ATTENTION IS DRAWN
TO THE APPENDIX

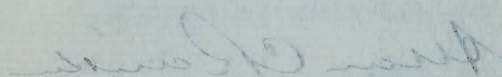
In conclusion I would like to place on record my

appreciation of the able assistance of the staff of the
Laboratory, the members of which have all performed their
duties in a satisfactory manner.

I have the honor to be

SIR

Yours obedient servant,



PROVINCIAL BACTERIOLOGIST

ATTENTION IS DRAWN
TO THE APPENDIX

APPENDIX

ESTIMATED COMMERCIAL VALUE OF WORK IF MINIMUM CHARGE WERE MADE.

MATERIAL	No. of Specimens	Price per Specimen	TOTAL
SPUTUM	433	\$ 2.00	\$ 866.00
DIPHTHERIA	1,072	2.00	2,144.00
TYPHOID FEVER	136	2.00	272.00
WATERS	1,173	15.00	17,595.00
MILKS	690	5.00	3,450.00
MOTHER'S MILK	41	2.00	82.00
MISCELLANEOUS EXAMINATIONS	1,265	5.00	6,325.00
AUTOGENOUS VACCINES (25cc quant.)	89	15.00	1,335.00
TYPHOID VACCINE (25cc quantities)	86	5.00	430.00
GONORRHOEA	1,066	2.00	2,132.00
WASSERMANN REACTION	6,479	5.00	32,395.00
PATHOLOGICAL MATERIAL	3,113	5.00	15,565.00
MEDICO LEGAL EXAMINATIONS	47	5.00	235.00
TOTAL	15,690		\$ 82,826.00

Total minimum cost	1924 - \$ 82,826.00
Total minimum cost	1923 - 60,934.00
Total increase in minimum cost	21,892.00
Total increase in percent	35.9 %

ESTIMATED COMMERCIAL VALUE OF WORK
IF MINIMUM CHARGE WERE MADE.

MATERIAL	No. of Specimens	Price per Specimen	TOTAL
BUTYRUM	433	\$ 2.00	\$ 866.00
DIPHTHERIA	1,078	2.00	2,156.00
TYPHOID FEVER	138	2.00	276.00
WATERS	1,178	12.00	14,136.00
MILK	820	2.00	1,640.00
MOTHER'S MILK	41	2.00	82.00
MICROBIAL EXAMINATIONS	1,288	2.00	2,576.00
AUTOGENOUS VACCINES (Esoc. germ.)	88	12.00	1,056.00
TYPHOID VACCINE (Esoc. germ.)	88	2.00	176.00
CONOKROMA	1,088	2.00	2,176.00
WASSERMANN REACTION	6,478	2.00	12,956.00
PATHOLOGICAL MATERIAL	8,118	2.00	16,236.00
PHYSIOLOGICAL EXAMINATIONS	47	2.00	94.00
TOTAL	15,690		\$ 38,882.00

Total minimum cost 1924 - \$ 38,882.00
Total maximum cost 1923 - 30,932.00
Total increase in minimum cost 21,950.00
Total increase in persons 20.92

A P P E N D I X I V

.....

THE REPORT OF THE INDUSTRIAL LABORATORY

.....

MEMORANDUM FOR THE SECRETARY OF DEFENSE
 SUBJECT: [Illegible]

1. [Illegible]

2. [Illegible]

3. [Illegible]

4. [Illegible]

5. [Illegible]

6. [Illegible]

7. [Illegible]

8. [Illegible]

9. [Illegible]

10. [Illegible]

APPENDIX IV

THE REPORT OF THE INDUSTRIAL COMMISSION

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

Annual Report of the Industrial Laboratory

I beg to report as follows regarding
the work of the Industrial Laboratories and the work of the
Provincial Analyst for the year 1934.

Examinations and Analyses

Complete analyses of Beer sampled at the five breweries in the province to check up quality for Alberta Liquor Control Board	348
Beer analysed for breweries	112
Beer analysed for police, etc.	194
Liquors	291
Alcohol	21
Wash	35
Morphine, Opium, etc. examined under the Opium and Narcotic Drug Act	82
Drugs and Medicines	58
Water, domestic supply	361
Water, boiler	28
Water, boiler compounds	6
Sewage	10
Milk	75
Cream	2
Batter	9
Poison examinations, human and animal	104

Annual Report of the Industrial Laboratory

I beg to report as follows regarding

the work of the Industrial Laboratories and the work of the

Industrial Analyst for the year 1904.

Investigations and Analyses

Complete analyses of foods analyzed at the
five branches in the province to which
no fee is charged for analysis.

Food	208
Food analyzed for poisons	113
Food analyzed for poisons, etc.	104
Milk	251
Meat	21
Grain	35
Mineral, organic, etc. examined under the	
Organic and Inorganic Food Act	62
Drugs and Medicines	28
Water, domestic supply	321
Water, public	20
Water, public compounds	5
Drugs	10
Milk	75
Grain	2
Butter	2
Poison examinations, human and animal	104

Poisons, strychnine, etc.	8
Gras, clay, sand, etc.	294
Coal	62
Lubricating oils	65
Oils, fuel and gas	15
Ash	8
Feedstuffs	12
Paints and paint material	9
Formaldehyde	5
Soaps	7
Meat preservatives	8
Structural materials	7
Foods	28
Miscellaneous liquids	26
Miscellaneous powders, etc.	29
Cement, sand, concrete, gravel, rock, etc. for construction.....	384

As Provincial Analyst I was required to give evidence in many court cases throughout the province and to give technical advice to government departments and to industrial companies

I was called on to give technical advice many times during the drawing up of the Alberta Liquor Control Act and to the Commissioner and Secretary, Alberta Liquor Control Board. I have inspected and sampled the five Alberta Breweries and their warehouses at Medicine Hat, Lethbridge, Calgary and Edmonton and analysed their products- beer, ale, stout and porter.

3	Poisons, nitrogenous, etc.
332	Grease, oil, sand, etc.
62	Coal
65	Lubricating oils
75	Oil, fuel and gas
8	Isk
15	Frederick's
2	Paints and paint materials
3	Paraffin
9	Gas
9	Heat exchangers
7	Structural materials
28	Refrigerators
28	Mechanical devices
29	Mechanical devices, etc.
	Cement, sand, concrete, gravel, rock, etc.
254	For construction

As previously stated I was required to give evidence in many courts across the province and to give technical advice to government departments and to industrial companies. I was called on to give technical advice many times during the drawing up of the Alberta Liquor Control Act and on the Commission and Secretary, Alberta Liquor Control Board. I have inspected and sampled the five Alberta breweries and their warehouses at Medicine Hat, Lethbridge, Calgary and Edmonton and analysed their products - beer, ale, stout and porter.

This was done on instructions from The Alberta Liquor Control Board to ensure the quality of the Malt liquors sold in the province. This work required detailed and very extensive analyses. Detailed examinations were also made on various brands of whiskies, etc. sold.

Assistance and advice was given to prospectors and others interested in Natural Resources in Alberta. A great deal of time was spent on these consultations.

I acted as a member of the Committee of the Engineering Institute of Canada investigating the action of alkali on concrete and as a member of the Advisory Committee regarding Patent and Proprietary Medicines and Exts-etc.

Respectfully submitted,

James W. Kelso

Provincial Analyst,
Director, Industrial Laboratories.

This was done on instructions from the Alberta Higher General Board
to secure the quality of the Wolf River coal in the province. This
work required detailed and very extensive analyses. Detailed
examinations were also made on various brands of oilfield oils. This
laboratory and advice was given to producers and others
interested in Alberta's resources in Alberta. A great deal of time
was spent on these examinations.
I acted as a member of the Committee of the Engineering
Institute of Canada investigating the action of alkali on concrete
and as a member of the Advisory Committee regarding Patent and
Proprietary Medicines and Alkalies.

W. J. ...

Provincial Analyst,
Edmonton, Industrial Laboratories.

11
H. 507. 688
749 659
4.158029

BALANCE SHEET AS AT DECEMBER 31, 1924ASSETS.CAPITAL ACCOUNT.

		Schedule No.
Land, Buildings and Plant,	\$ 3,508,239.66	C 4.
Furnishings and Equipment,	614,847.46	C 5.
Livestock,	34,941.87	
Bond Discount and Expense,	349,659.63	C 6.
	<u>\$4,507,688.62</u>	

INCOME ACCOUNT.

Cash,	3,479.14	I 4.
Accounts Receivable,	34,069.97	
Inventories,	49,943.93	
Deferred Expenditure,		
Unexpired Insurance,	6,494.88	
Miscellaneous,	<u>588.92</u>	I 5.
Advances to University Hospital,	111,464.55	I 6.
Due by Capital Account,	<u>3,001.66</u>	
	<u>\$ 209,043.05</u>	

TRUST ACCOUNT.

Securities,	510,534.20	T 2.
Cash,	22,054.83	
Due by Income Account,	<u>15,353.93</u>	
	<u>\$ 547,942.96</u>	
	<u>\$5,264,674.63</u>	

Edmonton, January 31st, 1925.

I have audited the books and accounts of the University of Alberta for the year ended December 31st, 1924, and the accompanying income and expenditure account are in accordance with the books and accounts. Capital assets are shown at book values and accounts receivable and trust account, \$15,353.93, consists of funds given to or held by the University.

I CERTIFY THAT, in my opinion, the above balance sheet is proper and correct as shown on December 31st, 1924, and the annexed income and expenditure statement is in accordance with the books and accounts at that date.

.2TH22A

383.702.43

930.903

496.435.23

UNIVERSITY OF ALBERTA

STATEMENT OF INCOME AND EXPENDITURE FOR THE YEAR ENDED DECEMBER 31, 1924

INCOME

Province of Alberta:		
Grant	\$ 414,868.00	
Grant for Debenture Interest	<u>227,885.02</u>	
		\$ 642,753.02
Rockefeller Foundation		28,734.88
es	63,268.02	✓ 1070.10 642,753.02
ntals	20,424.77	✓
ning Room	11,452.24	✓
inting Department	5,174.45	✓
aminations	1,165.61	✓
okstore	<u>1,806.15</u>	✓
		103,291.24 \$774,779.14

EXPENDITURE

Salaries:		
Total salaries and wages	\$ 527,577.43	
Less charged to Departments hereunder.	<u>240,418.05</u>	
		✓ 287,159.38 ✓
Debenture Interest and Exchange		227,885.02 ✓
Agriculture		✓ 102,559.38 ✓
Laboratories		✓ 52,544.24 ✓
Maintenance and Repairs		✓ 40,509.96 ✓
Light, Heat and Power		23,295.88 ✓
Department of Extension		✓ 27,502.46 ✓
Insurance		6,799.11 ✓
Teacher's Courses		4,735.33 ✓
Calendar, Press Bulletin etc.		3,512.67 ✓
Printing and Stationery		2,936.74 ✓
Summer School		✓ 2,125.00 ✓
Telegraph and Telephones		1,869.52 ✓
Library		✓ 1,802.59 ✓
Travelling Expenses		1,478.00 + 1070.10
Keep of Motor Cars		1,184.53 ✓
Laundry expense		871.26 ✓
Stage		725.61 ✓
Typewriter Inspection and Repairs		478.39 ✓
Bank Interest and Exchange		416.60 ✓
Physical Education and Sundries.		287.26 ✓
Scholarships and Medals.		<u>255.00</u> ✓
		\$790,933.93
Surplus for the year 1924.		<u>\$ 16,154.79</u>

UNIVERSITY OF ALBERTA.

HOSPITAL

BALANCE SHEET AS AT DECEMBER 31st, 1924.

<u>ASSETS.</u>		<u>LIABILITIES.</u>	
ACCOUNTS RECEIVABLE.		DEBENTURE DEBT,	\$ 150,000.00
Dominion of Canada (S.C.R.)	\$ 35,223.37	UNIVERSITY OF ALBERTA,	111,464.55
Province of Alberta,	14,393.50	ACCOUNTS PAYABLE,	167.73
City of Edmonton,	19,781.24	CAPITAL SURPLUS,	
University of Alberta,		Rockefeller Fund,	\$ 18,698.66
Rockefeller Fund,	\$ 335.43	Miscellaneous,	<u>50.00</u>
Outdoor Clinic,	<u>211.12</u>		18,748.66
	546.55	GENERAL SURPLUS.	
Civilian Patients,	64,068.80	Surplus for the year 1924,	6,201.88
Less: Reserve for Bad		Less deficit for the year 1923,	<u>340.70</u>
Debts,	<u>40,439.46</u>		5,861.18
	23,629.34		
	93,574.00		
	12,217.41		
INVENTORIES.	894.87		
EXPIRED INSURANCE,	1.15		
CASH,			
HOSPITAL BUILDING,	150,000.00		
BUILDING FIXTURES,	<u>5,365.66</u>		
	155,365.66		
EQUIPMENT.	80,066.70		
Less: Lent by Dom. Govt.	<u>62,378.20</u>		
	17,688.50		
EQUIPMENT, NEW WING,	<u>6,500.53</u>		
	24,189.03		
	\$ 286,242.12		\$ 286,242.12

Edmonton, February 10th, 1925.

I have audited the books and records of the University of Alberta Hospital for the year ended December 31, 1924, and find that the above balance sheet and accompanying income and expenditure account are in accordance therewith.
The accounts receivable include a claim against the City of Edmonton, at present in dispute, and the surplus for the year will be affected by any loss arising through non-collection.

I CERTIFY THAT, in my opinion, the above balance sheet is drawn up so as to exhibit the financial position of the Hospital on December 31, 1924, and the annexed income and expenditure statement sets forth the result of operations for the fiscal year ended at that date.

C.A.
Provincial Auditor.

LIABILITIES

ASSETS

ACCOUNTS RECEIVABLE.
Dominion of Canada (S.C.R.)
Province of Alberta,
City of Edmonton,
University of Alberta,
Rockefeller Fund,
Outdoor Clinic,

Civilian Patients,
Less: Reserve for Bad
Debts,

INVENTORIES

UNEXPIRED INSURANCE

CASH

HOSPITAL BUILDING

BUILDING FIXTURES

EQUIPMENT

Less: Lent by Dom. Govt.

EQUIPMENT, NEW WING

\$ 22,222.22
10,222.22
12,000.00

246.22

23,622.24

23,622.24

12,217.41

894.87

1.12

120,000.00

122,322.66

80,066.70

62,328.30

17,888.20

24,182.03

6,300.27

\$ 286,242.18

Edmonton, February 10th, 1925.

I have audited the books and records of the University above balance sheet and accompanying income and expenditure account. The accounts receivable include a claim against the City of Edmonton for loss arising through non-collection. I CERTIFY THAT, in my opinion, the above balance sheet December 31, 1924, and the annexed income and expenditure statements

INCOME AND EXPENDITURE STATEMENT FOR THE YEAR ENDED DECEMBER 31 st.1924

INCOME

DOMINION GOVERNMENT

S.C.R Patients.	\$131,457.39
Less: Adjustment of 1923 Accounts.	<u>3,732.35</u>

\$127,725.04	
<u>54,451.77</u>	\$182,176.81

CIVILIAN PATIENTS.

X RAY DEPARTMENT.

MASSAGE AND THERAPY	2,765.50
OPERATING ROOM.	2,212.01
ANAESTHESIA.	1,710.06
INSULIN	462.29
INSULIN (Rockefeller Fund)	1,065.67
PATHEOLOGICAL.	782.17
	19,767.70

GRANTS:

Province of Alberta.	\$32,146.50
Less: Adjustment of 1923 Accounts.	848.50

31,298.00
18,714.36
50,012.36

City of Edmonton.

Province of Alberta
(for interest on Debentures).

7,500.00

$$\begin{array}{r} 6,414.42 \\ 21,528.07 \\ \hline 27,942.49 \end{array}$$
$$\begin{array}{r} 253,254.99 \\ 6,201.88 \\ \hline \$259,456.87 \end{array}$$

\$259,456.87

UNIVERSITY OF ALBERTA

CAPITAL ASSETS

dule
1."

LAND. BUILDINGS AND PLANT:

University Site	\$ 150,000.00 ✓
Experimental Farm Site	69,117.49 ✓
Medical Building	1,067.775.36 ✓
Residential Halls	684,094.63 ✓
Arts Building	667,695.69 ✓
Power Plant and South Laby.	270,420.34 ✓
Mining Engineering Building	141,049.19 ✓
Faculty Houses	79,256.71 ✓
Dining Hall	78,307.68 ✓
Grounds Improvements	75,301.84 ✓
Barns	72,250.51 ✓
Heating Plant	56,447.17 ✓
Steam Lines	38,101.11 32,419.25 ✓
Farm Buildings	26,255.30 ✓
Sewers and Water Mains	21,587.25 ✓
Gas Plant	12,307.51 ✓
Electric Light and Telephone	3,953.74 ✓

\$3,508.239.66

5681.86

3,513,921.52

Steam Lines

UNIVERSITY OF ALABAMA

CAPITAL ASSETS

LAND, BUILDINGS AND PLANT:

University Site	\$ 180,000.00
Experimental Farm Site	89,117.49
Medical Building	1,067,775.86
Residential Halls	684,094.68
Arts Building	667,696.69
Power Plant and South Lobby	270,480.84
Mining Engineering Building	141,049.19
Faculty Houses	79,256.71
Dining Hall	76,307.69
Grounds Improvements	75,301.94
Garage	72,250.21
Heating Plant	66,447.17
Steam Lines	39,419.36
Farm Buildings	36,233.30
Sewers and Water Mains	31,587.95
Gas Plant	12,307.51
Electric Light and Telephone	3,983.74

\$3,608,359.86

UNIVERSITY OF ALBERTA.

CAPITAL ASSETS

chedule
"C2."

FURNISHINGS AND EQUIPMENT:

Laboratories	✓ \$231,525.35	231,548.35
General	✓ 138,008.35 ✓	
Medical Equipment	✓ 87,061.29	
Library	✓ 53,056.97	55,965.91
Library, Travelling	✓ 20,570.96	
Agricultural	33,613.42	33,620.63
Printing Machinery	✓ 20,207.87	21,541.74
Museum	✓ 6,200.00	
Machine Shop	✓ 6,050.21	
Household Economics	✓ 5,747.97 ✓	
Architectural	✓ 4,310.20 ✓	
Physical Education	✓ 4,028.32 ✓	
Auto and Motor Truck	✓ 2,406.85	
Carpenters	✓ 2,059.70	

\$614,847.46

Printing

Library Capital

Residence

Agricultural

1333.87

2908.94

23.00

2831.58

619,120.48

UNIVERSITY OF ALBERTA

CAPITAL ASSETS

FURNISHINGS AND EQUIPMENT:

2,089.70	Gardens
3,466.85	Auto and Motor Truck
4,038.32	Physical Education
4,210.80	Architectural
5,461.15	Household Appliances
6,030.81	Machine Shop
6,200.00	Museum
6,207.37	Printing Machinery
6,618.43	Agricultural
80,570.98	Library, Travelling
83,656.97	Library
87,061.23	Medical Equipment
138,006.35	General
223,525.35	Laboratories

\$214,847.46

UNIVERSITY OF ALBERTA.

CAPITAL ASSETS.

Schedule
"C 3."

DEFERRED EXPENDITURE.

BOND DISCOUNT AND EXPENSE.

Discount and expense in connection
with issue of \$2,000,000.00 $4\frac{1}{2}\%$
Debentures in the year 1914.
This amount was written off to
Capital Surplus in 1915 but
entry is now reversed.

\$188,832.28

Cost of New York funds
(difference in exchange) re-
quired for payment of
\$2,000,000.00 Debentures on
Jan. 1, 1924.

61,627.35

University's proportion of dis-
count on Province of Alberta
refunding issue Feb. 15, 1924.

99,200.00

\$349,659.63

CAPITAL LIABILITIES.

Schedule
"C 4."

DEBENTURE DEBT.

Authority for issue Order-in- Council.	Date of issue.	Date of Maturity.	Rate of Interest.	Amount of issue.
1673/1920	Aug. 2/1920	Aug. 2/1925	6%	\$750,000.
1995/1920	Oct. 1/1920	Oct. 1/1925	6%	400,000.
1177/1921	July 1/1921	July 1/1936	$6\frac{1}{2}\%$	450,000.

\$ 1,600,000.00

UNIVERSITY OF ALBERTA.

CAPITAL LIABILITIES.

PROVINCE OF ALBERTA.

Payment by Province of Alberta
of University Debentures
Jan. 1, 1924. \$ 2,400,000.00

N. Y. exchange on above 61,627.35

University Site and Buildings
hitherto carried in U. of
A. accounts as Capital
Surplus. 302,136.07

Repayable advance made by
Province of Alberta to
University in 1917. 2,500.00

Discount on Province of
Alberta refunding issue
Feb. 15, 1924. 99,200.00

\$ 2,865,463.42

UNIVERSITY OF ALBERTA.

CAPITAL LIABILITIES.

PROVINCE OF ALBERTA.

Payment by Province of Alberta
of University Debentures
Jan. 1, 1924.

\$ 2,400,000.00

61,627.22

N. Y. exchange on above

University Gift and Building
University carried in U. of
A. accounts as Capital
Surplus.

502,136.07

Repayable advances made by
Province of Alberta to
University in 1917.

2,500.00

Balance on Province of
Alberta remaining issue
Feb. 12, 1924.

22,200.00

\$ 2,862,467.42

UNIVERSITY OF ALBERTA.

Schedule "C 6"

CAPITAL SURPLUS

Surplus at DECEMBER 31st, 1923.

\$125,318.12

Add:

Bond Discount charged to
surplus in 1915 now charged
to Deferred Expenditure.

\$188,832.28

Grounds Improvements property
account written up to agree
with Public Works Department

9,429.33

Library Books purchased from
fees paid by Students.

4,098.50

Revenue Contributions:

Works Dept.

Machinery & Tools. \$2,059.70

Printing Machinery 9.085.15

11,144.85

213,504.96

\$338,823.08

DEDUCT.

Transferred to credit of
Province of Alberta

302,136.07

\$ 36,687.01

UNIVERSITY OF ALABAMA

Schedule "C" 67

CAPITAL SURPLUS

Surplus at DECEMBER 31st, 1955.

\$125,518.18

Add:

Bond Discount charged to
surplus in 1915 now charged
to Deferred Expenditure.

\$188,833.33

Grounds Improvements properly
account written up to surplus
with Public Works Department

\$4,433.33

Library books purchased from
free sale by Students.

\$4,098.50

Revenue Contributions;
Works Dept.

Machinery & Tools \$2,088.70
Printing Machinery 9,085.15

\$11,144.85

\$13,604.68

\$388,833.08

DEDUCT:

Transferred to credit of
Province of Alabama

\$202,133.07

\$186,699.01

UNIVERSITY OF ALBERTA.

CURRENT ASSETS.

chedule
1."

CASH ON HAND.

Currency.	\$ 907.12	
Postal Notes.	5.85	
Cheques:		
U. of A.	\$ 656.78	
Sundry.	<u>1,909.39</u>	
	2,566.17	
		<u>\$ 3,479.14</u>

chedule
2."

ACCOUNTS RECEIVABLE.

General.	25,726.37	
Fees.	4,355.00	
Board and Room.	<u>3,988.60</u>	
		<u>\$ 34,069.97</u>

chedule
3."

INVENTORIES.

Extension Dept. (Visual Instruction).	20,768.52	
Bookstore.	17,212.97	
Printing Dept.	3,633.59	
Works Dept.	7,056.68	
Dining Room.	<u>1,272.17</u>	
		<u>\$ 49,943.93</u>

UNIVERSITY OF ALBERTA.

CURRENT ASSETS.

CASH ON HAND.

Cash on Hand. \$ 907.12
 Postal Notes. 2.85

U. of A. \$ 656.78
 Savings. 1,909.39

\$ 2,566.17

\$ 3,479.14

ACCOUNTS RECEIVABLE.

General. \$ 2,726.37
 Fees. 4,355.00
 Board and Room. 3,988.60

\$ 11,069.97

INVENTORIES.

Extension Dept. (Vital Statistics). \$ 20,768.52
 Bookstore. 17,212.97
 Printing Dept. 3,633.59
 Works Dept. 1,056.68
 Dining Room. 1,278.17

\$ 43,949.93

UNIVERSITY OF ALBERTA

CURRENT LIABILITIES

Schedule "I 4"

IMPERIAL BANK OF CANADA

Pass Book Balance Dec. 31, 1924

\$99,530.12 Dr.

ADD

Outstanding cheques

61,327.94

Deposit credited by Bank in error

130.75

\$160,988.81

DEDUCT :

Bank errors adjusted in 1925

1.71

\$160,987.10

UNIVERSITY OF ALBERTA?

CURRENT LIABILITIES.

Schedule "1 5"

DUE TO TRUST ACCOUNT:

Sundry grants for Scientific purposes.	\$ 10,140.12	
Caution Money.	4,437.75	
Key Deposits.	250.70	
Medical Services.	312.00	
Canadian Officers Training Corps.	195.86	
Students Union.	17.50	\$ 15,353.93

GENERAL SURPLUS..

Schedule "1 6"

SURPLUS AT DECEMBER 31, 1923. \$ 50,059.94

LESS: Transferred to credit of
Province of Alberta for advance
by Provincial Government in 1917
erroneously treated as
a grant. \$2,500.00

" Contributions to
Capital"
Machinery and equipment
purchased with current
funds and heretofore
carried in current in-
ventory assets.
Works Machinery etc. 2,059.70
Printing " 9,085.15

Part of amount carried
as "Unexpired Insurance"
at Dec.31,1923, should
have been charged to
1923 expenditure. 1,916.86

Bond Discount:
Balance unamortized
(on other than 1914
Debenture issue). 9,000.00

Bad Debts. 999.72

Deficit for year 1924. 16,154.79 41,716.22
\$ 8,343.72

CURRENT LIABILITIES.

Schedule "15"

DUE TO TRUST ACCOUNT:

Students Union.	17.50
Canadian Officers Training Corps.	195.86
Medical Services.	312.00
Key Deposits.	250.70
Caution Money.	4,437.73
Grants for Scientific purposes.	10,140.12
	<u>15,353.93</u>

GENERAL SUPPLIES.

Schedule "16"

SURPLUS AT DECEMBER 31, 1923.

LESS: Transferred to credit of Province of Alberta for advance by Provincial Government in 1917 erroneously treated as a grant. \$2,500.00

" Contributions to Capital: Machinery and equipment purchased with current funds and heretofore carried in current inventory assets. 2,059.70
Works Machinery etc. 2,085.15
Printing "

Part of amount carried as "Unexpended Insurance" at Dec. 31, 1923, should have been charged to 1923 expenditure. 1,916.86

Bond Discount: Balance unamortized (on other than 1914 Debenture issue). 2,000.00
Bad Debts. 999.72

Deficit for year 1924. 16,154.73

41,716.28
8,343.73

UNIVERSITY OF ALBERTA.

TRUST ASSETS

chedule "T 1."

SECURITIES.

Province of Alberta Debentures due Feb. 15, 1974.	\$ 500,000.00
Province of Alberta Debentures due Apr. 1, 1936.	1,932.80
Province of Alberta Debentures due June 1, 1939.	196.40
Province of Alberta Savings Certificates.	405.00
Dominion of Canada War Loan due Nov. 1, 1934.	400.00
Dominion of Canada War Loan due Dec. 1, 1925.	600.00
Town of Vegreville Debentures due Dec. 1, 1933.	7,000.00
	\$510,534.20

chedule "T 2."

SUNDRY TRUSTS.

Rockefeller Foundation	\$ 500,000.00
General Trust Accounts.	34,322.36
Alberta Pharmaceutical Assn.	7,851.56
Sir James Aikins Scholarship.	2,118.17
Women's University Club "	1,231.92
Students Loan Fund.	856.01
Law Library Fund.	595.26
Moshier Memorial	377.44
Alberta Optometry Association.	253.20
Women's University Club Loan.	193.84
Women's University Club (Colonial History)	69.22
I.O.D.E. (10th A.D. Chapter)	62.47
Dr. Blais's Prize.	11.51
	\$547,942.96.

UNIVERSITY OF ALBERTA

TRUST ASSETS

Page "T.1."

SECURITIES

Province of Alberta Debentures due	
Feb. 15, 1974	\$ 800,000.00
Province of Alberta Debentures due	
Apr. 1, 1986	1,988.80
Province of Alberta Debentures due	
June 1, 1988	196.40
Province of Alberta Savings	
Capitalized	408.00
Dominion of Canada War Loan due	
Nov. 1, 1984	400.00
Dominion of Canada War Loan due	
Dec. 1, 1985	800.00
Town of Vegreville Debentures due	
Dec. 1, 1988	7,000.00

\$210,884.20

Page "T.2."

BUNDRY TRUSTS

Rockefeller Foundation	
General Trust Accounts	\$ 800,000.00
Alberta Pharmaceutical Assn.	24,823.38
Sir James Aikins Scholarship	7,851.55
Women's University Club	2,118.17
"	1,881.02
Students Loan Fund	858.01
Law Library Fund	595.25
Monkier Memorial	377.44
Alberta Optometric Association	858.20
Women's University Club Loan	193.84
Women's University Club (Colonial History)	69.38
I.O.D.E. (John A.D. Chapter)	68.47
Dr. Blais's Prize	11.81

\$247,948.96

Schedule of Fees.

December 31st, 1924.

Arts,	\$11,370.62
Arts and Applied Science,	2,797.50
Applied Sciences,	6,965.00
Medicine,	18,202.00
Law,	2,780.00
Arts and Law,	1,605.00
Graduate,	762.50
Dentistry,	3,140.00
Correspondence,	1,283.00
Arts and Medicine,	3,060.00
Arts and Agriculture,	160.00
Pharmacy, Licentiate,	1,715.00
Pharmacy, Degree,	560.00
Household Economics,	1,690.00
Commerce,	1,633.50
"A" Languages,	2,000.00
Summer School,	1,483.00
Agriculture,	2,366.00
B. Education,	100.00
B.D.	15.00
Late Registration,	300.00
Nurses,	300.00

\$64,288.12

Expenditure,
Travelling Expenses to
Calgary re Teachers' Courses,

\$1,020.10

\$63,268.02

S U M M A R Y .

December 31st, 1924.

Vote 42, Schedule of Fees.

Expenditure Revenue.

al Fees.

Supplementals	949.50		
Medicine	200.00		
Pharmacy	25.00		
C.A.	715.00		
Law	685.00		
Visit Fees	115.00		
Transcript	240.00		
Degree Fee	2,185.00		
Presiding Fee	7.50		
Appeals	50.00		
Summer Reading	40.00		
Optometry	75.00		
Nurses' Registration	<u>995.00</u>		<u>\$6,282.00</u>
Medicine	354.00		
Specials	270.82		
Chartered Accountancy	349.50		
Optometry	124.00		
Nurses	554.95		
Law	802.50		
Professional Engineering	53.50		
Printing, Stationery and			
Diplomas.	2,424.96		
Sundries	<u>182.16</u>	<u>\$5,116.39</u>	<u>\$1,165.61</u>

THNS

SCHEDULE OF SALARIES

President	Dr.H.M.Wory	8,000.00	
President's Secy.	Miss B.Ockley, B.A.	<u>1,650.00</u>	9,650.00
<u>Registrar's Office</u>			
Registrar	C.E.Race B.A., C.A.	4,250.00	
Asst. Registrar	Miss Tregillus, M.A.	1,500.00	
Clerk of Records	Miss McIntosh, B.A.	1,080.00	
Stenographers	Miss L.M.Heathcote (4 mos)	300.00	
	Miss B.D.Gardner, B.A. (8 mos) -	720.00	
	Miss M.Graham (3 1/2 mos)	282.50	
	Miss F.Stubbs, B.A. (8 mos)	880.00	
Examinations Clerk	Miss M.Fulmer	1,320.00	
	Extra (A.Cook	137.50	
	Assistance (A.E.Hutton	22.50	
	Freshman Committee	<u>221.25</u>	10,713.75
<u>Bursar's Office</u>			
Bursar	A.West	4,000.00	
Accountant	G.G.Harris C.A. (11 mos)	1,915.00	
	G.P.Ponton (1 1/2 mos)	67.75	
Bookkeeper	Mrs.H.C.Dawson (3 1/2 mos)	280.00	
	J.E.Fraser (8 1/2 mos)	1,465.00	
Cashier	Miss M.Talbot	1,500.00	
	W.Sharpe (3 mos)	150.00	
	R.W.Adshead (9 mos)	540.00	
Clerk	E.I.Moore (3 mos.)	105.00	
	W.Sharpe (9 mos)	450.00	
Office Boy	Frank Brennand (2 1/2 mos)	55.64	
	E.I.Moore (9 mos)	271.55	
Stenographers	Miss J.L.Corbett	960.00	
	Miss K.Truswell (6 mos)	375.00	
	Miss H.E.Ball (11 mos)	858.50	
	Miss G.Cox (4 1/2 mos)	338.70	
	Miss M.C.Corbett (6 mos)	540.00	
Extra Assistance	L.Logan	36.67	
	Miss E.Luckwell	31.44	
	Miss E.Scott	8.47	
	Miss S.C.Morgan	7.50	
	Miss M.Nairn	29.00	
Switchboard Operator	M.Cudby (3 1/2 mos)	262.50	
	Miss Johnston (2 1/2 mos)	182.50	
	Miss P.S.Ball (6 mos)	<u>450.00</u>	14,880.22
			<u>2,100.00</u>
Refund			\$12,780.22
<u>Library</u>			
Librarian	A.E.Cameron	3,200.00	
Assistant	Miss K.Calhoun	1,786.63	
	Miss G.Jackson	1,500.00	
Stenographer	Miss Y.Richard	935.00	
Extra Assistance	Miss B.Andrews	60.00	
	H.McLena	42.58	
	J.W.O'Brien	<u>42.58</u>	7,566.79

SCHEDULE OF SALARIES

42.58	7.566.73	Miss B. O'Brien	
42.58		K. McNamee	
60.00		Miss B. Andrews	
98.00		Miss Y. Richards	
1,500.00		Miss G. Jackson	
1,786.63		Miss K. Gelman	
3,200.00		A. E. Cameron	
42.58		Miss P. S. Ball	
182.50		Miss Johnston	
362.50		"M. Giddy"	Operator
362.50		Miss M. Martin	
39.00		Miss S. C. Morgan	
7.50		Miss E. Scott	
8.47		Miss E. Inckwell	
31.44		L. Logan	
36.67		Miss M. C. Corbett	
340.00		Miss G. Cox	
338.70		Miss H. E. Ball	
858.50		Miss K. Truwell	
375.00		Miss J. L. Corbett	
960.00		E. I. Moore	
371.33		Frank Brenning	
32.64		W. Sharpe	
450.00		H. I. Moore	
102.00		R. W. Adams	
540.00		W. Sharpe	
150.00		Miss M. Talbot	
1,500.00		J. E. Triser	
1,465.00		Mrs. H. C. Dawson	
280.00		G. R. Fenton	
67.75		G. G. Harris	
1,915.00		A. West	
4,000.00			
231.25	10,713.75	Freshman Committee	
22.50		Assistants (A. E. Hutton	
137.50		Extra (A. Cook	
1,320.00		Miss M. Palmer	Instructions Clerk
280.00		Miss F. Stubbs	B.A. (8 mos)
322.50		Miss M. Graham	(3 mos)
420.00		Miss B. D. Gardner	B.A. (8 mos)
420.00		Miss L. M. Heathcote	(4 mos)
1,080.00		Miss McIntosh	B.A.
1,500.00		Miss Trevelin	M.A.
4,250.00		C. E. Rice	B.A., C.A.
1,650.00		Miss B. Conley	B.A.
8,000.00		Dr. H. M. W. W. W.	

Faculty of Arts Science

Dean	W.A.R.Kerr M.A., Ph.D.	500.00	
Secy.	Miss M. Archibald B.A. (9 mos)	855.00	
	Hiss Helen Beny, B.A. (4 mos)	340.00	1,695.00

Faculty of Medicine

Dean	A.C. Rankin, M.D., D.P.H.	500.00	500.00
------	---------------------------	--------	--------

Faculty of Applied Science

Dean	R.W. Boyle, M.A. Ph.D.	500.00	500.00
------	------------------------	--------	--------

Faculty of Agriculture

Dean	E.A. Howes B.S.A.	500.00	
Secretary	Miss B.D. Lewis	1,020.00	1,520.00

Provost's Department

Provost	J.M. MacEachern M.A., Ph.D.	500.00	
Advisor to Women	Miss F.E. Dodds, B.Sc.	2,400.00	2,900.00

Classics

Professor	W.H. Alexander M.A., Ph.D.	4,500.00	
Associate Professor	Geneva Misener M.A., Ph.D.	3,100.00	
	W.G. Hardy, M.A.	2,800.00	
	S.R. Laycock, M.A., B.D.	1,000.00	
	Miss M. Gold (3 mos)	225.00	11,625.00

English

Professor	E.K. Broadus, M.A., Ph.D.	4,500.00	
Associate Professor	R.K. Gordon, M.A., Ph.D.	3,750.00	
Lecturer	F.M. Salter B.A., A.M. (8 mos)	1,533.28	
	L.T. Jones B.A.	1,800.00	
	A.R. Jewitt	500.00	
	Mrs. C.L. Huskins	187.50	12,270.78

Moderns (French & German)

Dean	W.A.R.Kerr M.A., Ph.D.	4,500.00	
Professor	J.F. Coar M.A., Ph.D. (4 mos)	1,333.00	
Associate Professor	E. Sonet Bes. L.	3,300.00	
Assistant	A.P. Pelluet	2,700.00	
Lecturer	Francis Owens B.A.	2,600.00	
	H. DeSavoye Bes. L., L.L.B.	2,400.00	16,833.00

Philosophy

Professor	J.M. MacEachern B.A., Ph.D.	4,500.00	
Lecturer	John MacDonald, M.A.	2,700.00	
	M.E. Lazerte (4 mos.)	700.00	
	S.D. McPhee (8 mos)	1,666.64	
	S.R. Laycock	187.50	
	W.E. Line	125.00	9,879.14

Drawing

Professor	James Adam, M.A.	3,000.00	3,000.00
-----------	------------------	----------	----------

City of Arts Science

W.A.R. Kerr M.A., Ph.D. 500.00
Miss M. MacDonald B.A. (9 mos) 385.00
Miss Helen Bery, B.A. (4 mos) 340.00
1,225.00

City of Medicine

A.C. Hartin, M.D., D.P.H. 500.00
500.00

City of Applied Science

R.W. Boyle, M.A., Ph.D. 500.00
500.00

City of Agriculture

R.A. Howes B.S.A. 500.00
Miss B.D. Lewis 1,020.00
1,520.00

City of Department

J.M. MacIsaac M.A., Ph.D. 500.00
Miss F.R. Dodds, B.Sc. 2,400.00
2,900.00

City of Education

W.H. Alexander M.A., Ph.D. 4,500.00
Professor Genevieve Miskner M.A., Ph.D. 3,100.00
W.G. Hardy, M.A. 2,800.00
S.R. Laycock, M.A., B.D. 1,000.00
Miss M. Gold (3 mos) 225.00
11,625.00

City of Law

E.K. Brodus M.A., Ph.D. 4,500.00
Professor R.K. Gordon M.A., Ph.D. 3,750.00
F.M. Salter B.A., A.M. (8 mos) 1,523.28
E.T. Jones, B.A. 1,800.00
A.R. Jewitt 500.00
Mrs. C.I. Haskins 187.50
12,270.78

City of French & German

W.A.R. Kerr M.A., Ph.D. 4,500.00
J.R. Coor M.A., Ph.D. (4 mos) 1,383.00
Professor Robert Bea L. 3,300.00
A.E. Bellner 2,700.00
Theresa Owens B.A. 2,600.00
H. Desavoye Bea L. I.L.B. 2,400.00
16,883.00

City of Zoology

J.M. MacIsaac B.A., Ph.D. 4,500.00
John MacDonald, M.A. 2,700.00
M.E. Lazerre (4 mos) 700.00
S.D. McPhee (8 mos) 1,666.64
S.R. Laycock 187.50
W.E. Lane 125.00
9,879.14

City of History

James Adam, M.A. 2,000.00
2,000.00

Anatomy

Professor	D.G.Revell B.A.,M.D.	4,249.92	
Assistant Professor	R.F.Shaner Ph.D.	3,099.96	
Lecturer	N.J.Minnish M.D. (4 mos)	800.00	
	Evan Green M.D.,C.M	1,625.00	
	Jos. Jackson (9 mos)	1,350.00	
Technician	A.G.Farrall	1,375.00	
Lab. Asst.	F.Omand	645.33	
Demonstrator	H.K.Hepburn M.D.,C.?.	500.00	
	W.Hustler M.D.	200.00	
	J.F.Adamson M.D.	250.00	
	F.J.Folinsbee M.R.C.S	250.00	
	C.G.Geggie	180.00	14,495.21

Physiology

Professor	A.W.Downs M.A.,M.D.	4,500.00	
Asst. Professor	N.B.Eddy M.D.	2,800.00	
Lecturer	E.C.Smith M.D. (9 mos)	900.00	
	Miss M.E.Smith (4 mos)	600.00	
Lab. Asst.	Chas. Croft	1,020.00	
	Wm.C. Murray (5 mos)	300.00	
	Alfred Farmer (2 mos)	120.00	10,240.00

Biochemistry

Professor	J.B.Collip M.A.,Ph.D.	4,500.00	
Asst. Professor	J.W.Scott M.D.	2,500.00	
Technician	J.A.Long	1,500.00	
Lab. Asst.	J.Smiles	200.00	8,700.00

Clinical Medicine

Professor	E.L.Pope M.D.C.M.,M.R.CS.,L.P.C.P	5,000.00	
Associate Professor	H.C.Jamieson	2,500.00	
Demonstrators	Dr.H.B.Logie	500.00	
	Dr.F.S.McPherson	200.00	
	Dr.A.F.Anderson	200.00	
	Dr.D.B.Smith	500.00	
	Dr.J.E.Carmichael	200.00	
	Dr.C.W.Hurlburt	500.00	
	Dr.I.R.Bell	1,000.00	10,600.00

Clinical Surgery

Professor	F.H.Mewburn,M.D.,C.M.,L.L.D.	5,000.00	
Demonstrators	Dr.H.H.Hepburn	500.00	
	Dr.W.A.Wilson	500.00	
	Dr.Gordon C.Gray	500.00	
	Dr.A.Blais	500.00	
	Dr.A.R.Munroe	500.00	
	Dr.N.L.Terwilleger	200.00	
	Dr.J.D.Petitclarc	200.00	
	Dr.J.A.McPherson	200.00	
	Dr.L.W.T.McBachern	200.00	
	Dr.L.C.Harris	200.00	8,500.00

Gynaecology & Obstetrics

Demonstrators	Dr.L.C.Conn	1,000.00	
	Dr.C.Holmes	200.00	
	Dr.J.V.Baker	200.00	1,400.00

Dr. J. V. Baker 200.00
 Dr. C. Holmes 200.00
 Dr. L. G. Conn 1,000.00

Dr. L. C. Harris 200.00
 Dr. L. W. T. McShorn 200.00
 Dr. J. A. McShorn 200.00
 Dr. J. D. Pettigrew 200.00
 Dr. M. E. Terwilliger 200.00
 Dr. A. R. Munroe 200.00
 Dr. A. Blais 200.00
 Dr. Gordon C. Gray 200.00
 Dr. W. A. Wilson 200.00
 Dr. H. H. Hepburn 200.00
 Dr. H. Newburn M.D., C.M., F.R.D. 2,000.00

Dr. I. H. Bell 1,000.00
 Dr. G. W. Harburt 200.00
 Dr. J. E. Carmichael 200.00
 Dr. D. B. Smith 200.00
 Dr. A. T. Anderson 200.00
 Dr. F. E. McPherson 200.00
 Dr. H. B. Locke 200.00
 Dr. C. Jamieson 200.00
 Dr. L. Pope M.D., C.M., F.R.C.S., F.P.C.P. 2,000.00

J. Smiles 200.00
 J. A. Long 1,500.00
 J. W. Scott M.D. 2,500.00
 J. B. Collier M.A., Ph.D. 4,500.00

Alfred Warner (2 mos) 120.00
 Wm. C. Murray (2 mos) 300.00
 Chas. Croft (4 mos) 1,020.00
 Miss M. R. Smith (4 mos) 600.00
 E. C. Smith M.D. (2 mos) 200.00
 N. B. Eddy M.D. 2,800.00
 A. W. Downs M.A., M.D. 4,500.00

C. G. Geggie 120.00
 F. T. Polinsbee M.R.C.S. 250.00
 J. F. Abelson M.D. 250.00
 W. Hattler M.D. 250.00
 H. K. Hepburn M.D., C.P. 200.00
 E. Omand 200.00
 A. G. Farwell 1,375.00
 Jos. Jackson (3 mos) 1,350.00
 Evan Green M.D., C.M. 1,325.00
 E. J. Minahan M.D. (4 mos) 800.00
 R. T. Shaner Ph.D. 3,025.96
 D. G. Revell B.A., M.D. 4,249.96

Ophthalmology

Drs. Wells & Jamieson

500.00

500.00

Dentistry

Dr. H. E. Bulyea

2,100.00

Dr. H. A. Gilchrist

1,620.00

Dr. W. Scott Hamilton

200.00

Dr. F. S. McPherson

25.00

3,945.00

MathematicsProfessor

E. W. Sheldon M.A., Ph.D.

4,250.00

Associate Professor

J. W. Campbell M.A., Ph.D.

3,149.97

Instructor

Mrs. E. I. Mitchell (8 mos)

1,400.00

F. Young (7 mos)

500.00

A. J. Cook (4 mos)

629.15

9,929.12

HistoryProfessor

A. L. Burt M.A.

3,750.00

Asst. Professor

M. H. Long B.A.

2,800.00

Lecturer

C. S. Burgess

1,800.00

8,350.00

EconomicsProfessor

D. A. McGibbon M.A., Ph.D.

2,720.01

A. F. McGounig B.A.

2,400.00

Reader

Miss M. Holdsworth

2,280.00

5,400.01

ChemistryProfessor

A. F. L. Lehman B.S.A., Ph.D.

4,500.00

Asst. Professor

O. J. Walker M.A., Ph.D.

2,800.00

O. C. Bridgeman M.A. (8 mos)

1,666.64

R. B. Sanden M.A. (4 mos)

833.30

Lecturer

H. G. Oddy

1,866.64

J. J. Thompson

840.00

D.

D. J. Moir (8 mos)

800.00

Walter Kutz

400.01

Russell Kutz

150.00

T. H. Mather

350.00

W. Line

600.00

H. O. Tomlinson

399.98

W. A. Lang

200.00

W. D. Burgess

200.00

N. D. McDonald

66.64

W. L. McDonald

66.64

T. M. Ethridge

99.99

W. S. G. Hollis

150.00

Glassblower

G. Ensell

218.40

Storekeeper

L. C. Watlings

1,200.00

17,408.24

BotanyProfessor

T. J. Lewis T.R.S.C

4,250.00

Lecturer

E. H. Moss M.A.

(8 mos) 1,466.64

Demonstrator

Miss S. Dowling

1,040.00

J. A. Campbell

281.98

G. A. Ward

567.50

Donald Ramsay

108.00

J. Lehman

30.00

R. F. Bedford

15.00

7,759.12

Psychology

vytátno

attempts

Yrofa

22100000

printer

reuter

rewo/dess

vrsto

Dr. Wells & Lamison

Dr. T. S. McPherson
Dr. W. Scott Hamilton
Dr. H. A. Gilchrist
Dr. H. E. Blyves

A. J. Cook
E. Young
Mrs. E. I. Mitchell
J. W. Campbell, M.A., Ph.D.
H. W. Sheldon M.A., Ph.D.

C. S. Burgess
M. H. Long B. A.
A. J. Burr M. A.

Miss M. Holmsworth
A.T. McGounn B.A.
D.A. McGibbon M.A., Ph.D.

U. J. Moir (8 mos)
J. J. Thompson
H. G. Oddy
R. B. Sander M. A. (4 mos)
O. C. Bridgeman M. A. (8 mos)
O. J. Welker M. A., Ph.D.
A. E. L. Lehman B. S. A., Ph.D.

R.T. Bedford
J. Lehman
Donald Ramsey
G.A. Ward
J.A. Campbell
Miss S. Dowling
H. Moss M.A.
T.J. Lewis T.H.S.O.

22.00	500.00	522.00
1.650.00	500.00	1.150.00
5.100.00	500.00	4.600.00
800.00	500.00	300.00

00.000, 4
00.000, 3
00.000, 2
00.000, 1
00.000, 0
00.000, 0

1.800.00	8.250.00
2.800.00	
3.750.00	

IO.00V.S
OO.OO.S
IO.OOA.S

00.008	4
00.008	8
48.888	1
08.888	
48.888	1
00.048	
00.00	
10.004	
00.081	
00.00	
00.008	
88.888	
00.008	
00.008	
48.88	
48.88	
88.88	
00.081	
08.48	
00.008	1

00.062, 4
40.002, 1
00.040, 1
88.183
05.783
00.001
00.08
00.11

<u>Geology</u> Professor	Wm. Rowan M.Sc.		3,000.00	
Demonstrator	Miss Hughes	(4 mos)	500.00	
	W.J. Harkness	(8 mos)	1,400.00	
Assistant	R. Lister		<u>960.00</u>	5,860.00
<u>Geology</u> Professor	J.A. Allan M.Sc., Ph.D.		4,250.00	
Lecturer	P.S. Warren A.R.C.S.	(4 mos)	833.35	
	R.L. Rutherford	(8 mos)	1,333.28	
Lab. Assistant	L.S. Russell	(3 $\frac{1}{2}$ mos)	140.00	
	R.H. Pengrum	(5 mos)	275.00	
Stenographer	Miss Marjory Walker	(1 mo.)	75.00	
	Miss M. Fife		<u>90.00</u>	6,996.63
<u>Mining Engineering</u> Professor	N.C. Pitcher M.Sc.		4,500.00	
	A.E. Cameron M.Sc.	(9 mos)	2,250.00	
Lab. Asst.	W. Holmes		1,440.00	
	W.G. Jewitt		<u>290.85</u>	8,480.85
<u>Civil Engineering</u> Professor	R.S.L. Wilson B.Sc.		4,000.00	
Lecturer	H.L. Webb B.Sc.		2,000.00	
Lab. Asst.	A. McPherson		<u>80.00</u>	6,080.00
<u>Mechanical Engineering</u> Professor	C.A. Robb B.Sc., M.S.		4,000.00	4,000.00
<u>Applied Mechanics</u> Associate Professor	I.F. Morrison B.Sc.		<u>3,500.00</u>	3,500.00
<u>Physics</u> Professor	R.W. Boyle M.A., Ph.D.		4,500.00	
Associate Professor	S. Smith, M.A., B.Sc.		3,100.00	
Lecturer	L.H. Nicols		2,100.00	
	H.S. Clow		1,380.00	
	R.J. Lang		2,699.96	
	G. Taylor		1,200.00	
Lab. Asst.	W.T. Fanjoy		124.00	
	C.W. Stephens		40.00	
	J.W. Partecus		160.00	
	A.A. Fraser		160.00	
	A. McFarlane		750.00	
Glassblower	Geo. Ensell		1,041.60	17,255.56
<u>Electrical Engineering</u> Associate Professor	H.J. McLeod M.Sc.		3,500.00	
Lecturer	S.C. Morgan B.Sc.		<u>2,500.00</u>	6,000.00
<u>Physical Education</u> Lady Instructor			420.00	
Instructors and Trainer			1,130.00	
Janitor			<u>496.00</u>	2,046.00

Pharmacy and Materia Medica

Associate Professor	F.A.S.Dunn PH.C.M.P.S.	3,000.00	
Lecturer	A.W.Matthews	1,800.00	
Assistants	W.D.Goldberg	40.00	
	M.F.Halliday	80.00	4,920.00

Household Economics

Lecturer	Miss M.Patrick B.A.	2,400.00	
	Miss E.Deadman B.C.	2,000.00	4,400.00

Night Watchman

J.McKenzie	722.50	
J.Buchanan	260.00	
W.M.Wickens	22.50	1,005.00

Transfer Driver

H.Dean	1,380.00	1,380.00
--------	----------	----------

Law

Lecturer	J.A.Weir B.A.,L.L.B.	3,300.00	
	V.E.Kleven B.A.L.L.B.	1,999.96	
Special Lectures	W.Dixon Craig	250.00	
	Geo. Steer	650.00	
	H.A.Dyde	150.00	
	S.Nielson	225.00	6,574.96

287,159.38

Pharmacy and Material Medicine	Associate Professor R.A.S. Dunn Ph.D.M.P.S.	3,000.00
Lecturer	A.W. Matthews	1,800.00
Assistants	W.D. Goldberg	40.00
	M.T. Hellyer	80.00
		<u>4,920.00</u>

Household Economics	Lecturer	Miss M. Patrick B.A.	2,400.00
		Miss M. Deasman B.C.	<u>2,000.00</u>
			4,400.00
Night Watchman			125.50
J. McKenna			280.00
J. Buchanan			22.50
W.M. Wickens			<u>1,008.00</u>

Transfer Driver			1,380.00
H. Dean			<u>1,380.00</u>
Lecturer			3,300.00
Special Lectures			1,225.56
			1,225.00
			280.00
			150.00
			<u>225.00</u>
			6,274.56

287,159.38

S U M M A R Y

AGRICULTURE.

General

Exp.

Rev.

Salaries

Dean, E.A. Howes, B.SA.	4,249.92	4,249.92	
-------------------------	----------	----------	--

Expenditure.

Auto and Travelling,	1,726.95		
Stationery and Printing,	55.30		
Telephones and Telegrams,	18.31		
Sundries,	<u>49.11</u>	<u>1,849.67</u>	6,099.59

Field Husbandry

Salaries and Wages.

Professor, G.H. Cutler, B.SA.	4,250.00	
Professor, R. Newton, M.Sc. B.SA.	3,645.00	
Asst. " J.R. Fryer, M.A.	2,900.00	
Stenographer, Mrs. I.M. Bedford,	960.00	
Wages,	<u>10,769.36</u>	22,524.36

Expenditure.

Travel and Auto,	771.38	
Supplies and Repairs,	1,336.72	
Printing and Stationery,	308.90	
Postage, Telephone & Telegrams,	284.01	
Photo,	35.60	
Light and Water,	72.42	
Fodder,	992.19	
Seeds,	826.18	
Alberta Crop Improvement,	124.11	
Sundries,	<u>357.81</u>	<u>5,109.32</u>

27,633.68

By Revenue,

2,967.60 24,666.08

SUMMARY

AGRICULTURE.

General

Nov.

Exp.

Salaries

Dean, E.A. Howes, B.S.A.

4,249.92 4,249.92

Expenditure.

Auto and travelling,
Stationery and Printing,
Telephones and Telegrams,
Supplies,

1,786.95
88.30
18.35
49.11 1,849.67
6,099.59

Field Husbandry

Salaries and Wages.

Professor, G.H. Cutler, B.S.A. 4,250.00
Professor, R. Newton, M.Sc. B.S.A. 3,645.00
Asst. " J.R. Tryer, M.A. 2,900.00
Stenographer, Mrs. I.M. Bedford, 290.00

10,789.36 28,534.36

Expenditure.

Travel and Auto,
Supplies and Repairs,
Printing and Stationery,
Postage, Telephone & Telegrams,
Photo,
Light and Water,
Fodder,
Seeds,
Alberta Crop Improvement,
Supplies,

771.38
1,336.73
308.90
234.01
35.80
72.42
992.19
826.18
124.11
357.81 5,109.33

27,633.68

2,937.60 24,696.08

By Revenue,

S U M M A R Y

December 31st, 1924.

Animal Husbandry

Exp. Rev.

Salaries and Wages

Professor, J.P. Sackville, B.SA.	4,000.00	
Asst. " R.D. Sinclair, B.SA.	2,800.00	
Asst. " J.E. Bowstead, M.Sc.	2,800.00	
Farm Manager, W.J. Thompson,	1,800.00	
Stenographer, Mrs. H. Wallace, 5½ mos.	455.16	
Miss D. May, 6 "	540.00	
Wages,	<u>21,482.82</u>	33,877.98

Expenditure.

Tankage,	197.32	
Straw and Hay,	3,906.57	
Oil Cake,	54.27	
Oats, Barley and Rye,	8,557.32	
Bran, Shorts and Meal,	1,528.92	
Milk and Cream,	179.80	
Sundries,	267.60	
Travel and Auto,	1,403.19	
Postage,	93.74	
Stationery and Printing,	269.35	
Supplies,	3,969.35	
Repairs,	451.22	
Veterinary,	744.85	
Telephone and Telegrams,	262.46	
Light and Water,	415.11	
Freight on Show Cattle,	163.43	
Feeder Hogs,	128.70	
Photo,	20.07	
Sundries,	<u>&&591.81</u>	23,205.08
		57,083.06
By Revenue,		<u>10,768.47</u> 46,314.59

Soils.

Salaries

Professor, F.A. Wyatt, M.Sc. B.SA. Ph.D.	4,000.00	
Assoc. " J.D. Newton, B.SA.	3,000.00	
Assistants, A.S. Ward,	1,560.00	
" H.H.W. Mann,	110.00	
Extra Assistants,	398.26	
Stenographer, Miss E. Luckwell (2mos.)	<u>82.25</u>	9,150.51

Travel,	14.70	
Supplies,	690.49	
Repairs,	37.23	
Telephone and Telegrams,	3.46	
Sundries,	<u>160.65</u>	906.53
		10,057.04
By Revenue,		<u>517.50</u> 9,539.54

SUMMARY

December 31st, 1924.

Exp. Rev.

Animal Husbandry

Salaries and Wages	4,000.00
Professor, J.P. Backville, B.S.A.	2,800.00
Asst. " R.D. Sinclair, B.S.A.	2,800.00
Asst. " J.E. Bowstead, M.Sc.	1,800.00
Farm Manager, W.J. Thompson	455.16
Stenographer, Mrs. A. Wallace	540.00
Miss D. May	21,482.32
Wages	32,977.98

Expenditure

Travel and Auto	127.32
Postage	3,906.57
Stationery and Printing	64.27
Supplies	8,527.32
Repairs	1,528.92
Veterinary	179.80
Telephone and Telegrams	287.60
Light and Water	1,402.19
Freight on Show Cattle	93.74
Feeder Hogs	269.32
Photo	2,969.32
Supplies	451.22
Repairs	744.82
Veterinary	262.46
Telephone and Telegrams	412.11
Light and Water	163.43
Freight on Show Cattle	123.70
Feeder Hogs	20.07
Photo	22,291.81
Supplies	33,202.08
By Revenue	57,083.08
	10,768.47
	46,314.59

Golia

Salaries

Professor, E.A. Wyatt, M.Sc. B.S.A. Ph.D.	4,000.00
Assoc. " E.W. Newton, B.S.A.	3,000.00
Assistant, A.S. Ward	1,550.00
" H.W. Mann	110.00
Extra Assistant	398.26
Stenographer, Miss E. Mackwell (2 mos.)	82.25
	9,180.51

Travel, Supplies, Repairs, Telephone and Telegrams, Sundries

Travel	14.70
Supplies	630.42
Repairs	37.23
Telephone and Telegrams	3.46
Sundries	160.62
	908.33
	10,087.04
	517.50
	9,569.54

S U M M A R Y

December 31st, 1924.

Agricultural Engineering

Exp. Rev.

Salaries

Professor J. MacGregor Smith, B.S.A.	4,000.00		
Stenographer, Miss E. Luckwell, (2Mos)	82.25		
Assistant, W. Smith,	<u>195.50</u>	4,277.75	

Supplies,	270.55		
Repairs,	257.12		
Auto and Travel,	4.17		
Sundries,	<u>169.11</u>	<u>694.95</u>	4,972.70

Horticulture

Lecturer, G. Harcourt, B.SA.	3,000.00	3,000.00	
Supplies and Repairs,	300.92		
Wages,	2,660.42		
Heat,	108.75		
Seeds,	15.85		
Postage,	8.05		
Sundries,	<u>22.50</u>	<u>3,116.49</u>	
		<u>6,116.49</u>	
By Revenue,		<u>226.20</u>	5,890.29

Dairying

Supplies,	1,404.20		
Light and Telephones,	45.24		
Ice,	43.80		
Repairs,	<u>40.71</u>	1,533.95	
By Revenue,		<u>743.52</u>	790.43

Entomology.

Professor, E.H. Strickland, M.Sc.	3,500.00	3,500.00	
Supplies,	708.57		
Sundries,	<u>77.59</u>	<u>786.16</u>	4,286.16

SUMMARY

December 31st, 1934.

Agricultural Engineering

Exp.

Salaries

Professor J. MacGregor Smith, B.Sc. 4,000.00
 Stenographer, Miss E. Lockwell (Emos) 82.25
 Assistant, W. Smith, 195.50
4,277.75

Supplies

270.55

Repairs

237.12

Auto and Travel

4.17

Sundries

129.11

694.95 4,972.70

Horticulture

Lecturer, G. Harcourt, B.Sc. 3,000.00

3,000.00

Supplies and Repairs

200.92

Wages

2,680.42

Heat

108.75

Seeds

15.85

Postage

8.05

Sundries

22.50

3,116.49

6,116.49

228.20 5,888.29

Dairying

Supplies

1,404.20

Light and Telephone

45.24

Ice

43.80

Repairs

40.71

1,533.95

By Revenue

743.82

790.43

Entomology

3,500.00

Professor, E.H. Strickland, M.Sc. 3,500.00

Supplies

705.57

Sundries

77.30

782.87 4,282.87

S U M M A R Y.

December 31, 1924.

PHYSICAL EDUCATION.

Rink	\$ 20.00	
Athletic Grounds	152.00	
Gymnasium	66.98	
Tennis	42.03	
Sundries	6.25	
	<u> </u>	\$287.26
		<u> </u>

S U M M A R Y

December 31, 1934

PHYSICAL EDUCATION.

Rink	\$ 20.00
Athletic Grounds	152.00
Gymnasium	66.98
Tennis	42.03
Swimming	6.25
	\$287.26

S U M M A R Y.

December 31, 1924.

EXTENSION DEPARTMENT.

Expenditure Revenue

General:

Director, A.E.Ottewell, M.A.	\$3500.00	
Asst. " E.A.Corbett, M.A.	2950.00	
Lecturer, H.Patton,	2400.00	
J.W.McAllister, (5 mos.)	875.00	
Stenographer, Miss A.Nelson,	1320.00	
" Miss Helen Rand (2½ mo)	212.90	
" Miss McElevery, (9 mos.)	720.00	
Extra Ass't. Miss Fuog	125.00	
Miss E. Luckwell	50.80	
Wm. Carless, (2½ mos.)	96.96	
	<u>\$12249.66</u>	\$12,249.66

Travel and Auto	\$1519.84	
Printing and Stationery	942.95	
Telephones and Telegrams	40.86	
Sundries and Postage	363.07	
Week for Farm Young People	108.00	
	<u>\$2974.72</u>	\$ 2,974.72
		<u>\$15,224.38</u>

Travelling Libraries:

Librarian, Miss J.F.Montgomery, B.A.	\$2000.00	
Asst. " Miss E.M.Chiverton,	960.00	
Stenographer, Miss O.E.McDonnell,	1020.00	
Miss M.L.Sheldon,	930.00	
Miss Moffat (2 mos.)	\$ 150.00	
	<u>\$5060.00</u>	\$ 5,060.00

Periodicals and Replacements	\$2928.61	
Printing and Stationery	830.06	
Supplies	91.44	
Repairs	106.45	
Postage	104.40	
Telephones and Telegrams	7.01	
Sundries	35.74	
	<u>\$4103.71</u>	\$ 4,103.71
		9,163.71
		<u>402.92</u>
By Revenue		\$ 8,760.79

402.92

December 31, 1934

EXTENSION DEPARTMENT

General:

Director, A.E. Ottewill, M.A.	\$3500.00
Asst. " E.A. Corbett, M.A.	250.00
Teacher, H. Patton	2400.00
T.W. McAllister, (2 mos.)	875.00
Stenographer, Miss A. Nelson	1250.00
Miss Helen Rand (2 1/2 mo)	215.90
Miss McHenry, (2 mos.)	780.00
Extra Asst. Miss Flog	125.00
Miss E. Lockwell	50.80
Mr. Carless, (2 1/2 mos.)	90.90
	<u>\$12249.60</u>

Travel and auto	\$1519.84
Printing and Stationery	948.95
Telephones and Telegrams	40.86
Supplies and Postage	363.07
Week for Farm Young People	108.00
	<u>\$2974.72</u>
	\$15,224.32

Traveling Expenses:

Librarian, Miss J.P. Montgomery, B.A.	\$2000.00
Asst. " Miss E.M. Chiverton	250.00
Stenographer, Miss O.E. McDonnell	1020.00
Miss M.L. Sheldon	230.00
Miss Moffat (2 mos.)	120.00
	<u>\$3600.00</u>
	\$ 2,060.00

Periodicals and Replacements	\$2328.61
Printing and Stationery	830.06
Supplies	91.44
Repairs	106.45
Postage	104.40
Telephones and Telegrams	7.01
Supplies	38.74
	<u>\$4108.71</u>

	\$ 4,108.71
	2,163.71
	<u>402.92</u>
	\$ 8,760.73

By Revenue

S U M M A R Y.

December 31, 1924.

EXTENSION DEPARTMENT. (cont.)

Expendi ture

Revenue

Visual Instruction:

Supervisor,	H.P.Brown	\$2300.00	
Clerk,	Miss J.M.Cook	1020.00	
	N.G.Lunnan	360.00	
	H.J.Smith	125.00	
	Miss D.Adamson	122.58	
Stenographer,	Miss E. Bell	900.00	
	Miss M. Rife	450.00	
	Miss M.Martin (4 mo.)	300.00	
	Miss A.E.Donnelly	66.66	
		<u>\$5644.24</u>	\$5,644.24
Travel		\$ 300.43	
Trading		4408.16	
Photo		743.31	
Slides		386.32	
Films		2695.36	
Replacements		67.19	
Sundries		426.66	
		<u>9027.43</u>	
Inventory, January 1, 1924		19058.54	
		<u>28085.97</u>	
Less Inventory Dec. 31, 1924		<u>20768.52</u>	
			<u>\$7,317.45</u>
By Revenue			<u>\$12,961.69</u>
			<u>9,444.40</u>
			<u>3,517.29</u>

Summary

General	\$15,224.38	
Travelling Libraries	8,760.79	
Visual Instruction	3,517.29	
	<u>\$27,502.46</u>	\$27,502.46

98473 ✓
3734978
9444.40
40792
98473 ✓

S U M M A R Y .

December 31, 1924.
Expenditures
Revenue

EXTENSION DEPARTMENT. (cont.)

Visual Instruction:

Supervisor, H.P. Brown	\$2300.00
Clerk, Miss J.M. Cook	1080.00
M.G. Lammam	380.00
H.J. Smith	125.00
Miss D. Adamson	122.58
Stenographer, Miss E. Bell	900.00
Miss M. Wife	450.00
Miss M. Martin (A m.)	300.00
Miss A.R. Donnelly	66.66
	<u>\$5644.24</u>
	\$5,644.24

Travel	\$ 300.43
Trading	4408.16
Photo	743.31
Slides	388.33
Film	2695.36
Replacements	67.19
Supplies	426.66
	<u>9027.43</u>
	19058.84
	28086.97
	<u>30768.23</u>

Inventory, January 1, 1924

Less Inventory Dec. 31, 1924

	\$7,314.45
	\$13,961.69
	<u>2,444.40</u>
	8,517.29

By Revenue

Summary

General	\$15,284.38
Travelling Expenses	8,760.79
Visual Instruction	8,517.29
	<u>\$32,562.46</u>

\$32,562.46

S U M M A R Y

December 31st, 1924.

	<u>Residences</u>	<u>Exp.</u>	<u>Rev.</u>
<u>Athabasca, Assiniboia and Pembina Halls</u>			
Superintendent, Miss E.J. Russell,	1,050.00		
Repairs,	1,365.80		
Supplies,	2,860.01		
Light,	4,086.77		
Water,	890.94		
Telephones,	428.10		
Fuel,	85.65		
Laundry,	1,733.31		
Sundries,	270.37		
Wages and Maids,	5,692.84		
Wages, Janitors,	6,428.36		
Wages, Night Watchman,	90.00		
	<u>24,982.15</u>		
By Revenue,	<u>41,464.20</u>	16,482.05	
<u>Faculty Houses.</u>			
#1, Dr. Tory,	185.03		
#2, C.E. Race,	134.35		
#3, W.A.R. Kerr,	142.45		
#4, A.F.L. Lehmann,	161.00		
#5, A. West,	181.25		
#6, J.A. Allan,	93.81		
#7, E.W. Sheldon,	92.03		
#8, E.A. Howes,	235.04		
#9, C.S. Burgess,	162.45		
#10, C.A. Robb,	89.93		
#11, S.S. Smith,	72.80		
#12, D.E. Cameron,	<u>567.14</u>		
Steam Line,	2,117.28		
By Revenue,	<u>6,060.00</u>	<u>3,942.72</u>	20,424

SUMMARY

December 31st, 1934.

Residences

Abbas, Asaibola and Pempin Halls

Superintendent, Miss E.J. Russell,
 Police,
 Applie,
 ght,
 ter,
 lishones,
 el,
 undry,
 ndies,
 ges and Mads,
 ges, Janitors,
 ges, Night Watchman,
 24, 982.15
 90.00
 6,423.28
 5,692.84
 270.27
 1,732.21
 82.65
 428.10
 890.94
 4,086.77
 2,860.01
 1,368.80
 1,050.00

41,464.20 16,482.05

Faculty Housing

Dr. Tery,
 C.E. Rice,
 W.A.R. Kert,
 A.F.L. Lehmann,
 A. West,
 J.A. Allan,
 E.W. Sheldon,
 E.A. Howe,
 C.S. Burgess,
 C.A. Robb,
 S.S. Smith,
 D.E. Cameron,
 72.80
 867.14

2,117.28

6,080.00

3,942.72

20,424

Revenue,

S U M M A R Y

December 31st, 1924.

<u>Dining Room</u>		Exp.	Rev.
Superintendent, Miss E.J. Russell,	1,050.00		
Dietitian, Miss R. Eager,	1,123.33		
Pages, Maids,	5,053.70		
Pages, Chef,	1,962.00		
Pages, Assistants,	5,266.22		
Water, Light, Heat, and Power,	1,710.40		
Provisions,	43,074.36		
Laundry,	1,584.70		
Telephones,	61.85		
Repairs,	776.00		
Furniture and Supplies,	2,183.82		
Undries,	378.46		
	<u>64,224.84</u>		
Inventory January 1st, 1924,	3,497.11		
	<u>67,721.95</u>		
Less Inventory Dec. 31st, 1924,	1,272.17		
	<u>66,449.78</u>		
Revenue,	<u>77,902.02</u>		11,452.24

<u>Power Plant</u>			
Pages,	18,862.77		
Coal,	12,614.70		
Supplies,	1,211.79		
Oil,	391.75		
Repairs,	1,728.41		
Light,	4,598.26		
Telephones, Telegrams,	135.40		
Undries,	523.82		
	<u>40,066.90</u>		
Revenue,	<u>18,405.76</u>	<u>21,661.14</u>	21,661.14

<u>Gas Plant</u>			
Pages,	1,369.65		
Pages,	313.56		
Undries,	9.00		
	<u>1,692.21</u>		
Revenue,	<u>57.47</u>	<u>1,634.74</u>	1,634.74

SUMMARY

December 31st, 1934.

Rev.

Wor.

Dining Room

Sanitary

George Boyer 700

Julius 1620

W. Phelan 200

Volunteer 200

1,050.00
1,123.33
5,035.70
1,962.00
5,252.32
1,710.40
43,074.32
1,284.22
41.83
722.30
2,125.30
3,728.46

Superintendent, Miss E. J. Russell,
Kitchen, Miss R. Hager,
Cooks, Maids,
Cooks, Chef,
Cooks, Assistants,
Cooks, Light, Heat, and Power,
Cooks, Divisions,
Cooks, Laundry,
Cooks, Telephone,
Cooks, Airs,
Cooks, Meals and Supplies,
Cooks, Dishes,

Supplies

~~3945.32~~
~~181.32~~
~~13760~~
~~4372~~
~~1813~~

64,323.24
4,127.12
61,196.12
1,271.12
62,467.24

Inventory January 1st, 1934,
Inventory Dec. 31st, 1934,

Power Plant

18,886.77
12,614.70
1,271.23
391.23
1,728.41
4,598.26
135.40
523.92

Asst. Engineer,
Engineer,
Electrician,
Mechanic,
Cooks, Telephone, Radiograms,
Cooks, Dishes,

18,405.76 21,661.14 21,661.14

Gas Light

1,303.63
213.56
9.00
1,526.19

57.47 1,584.74 1,584.74

S U M M A R Y

December 31st, 1924.

	<u>Laboratories</u>	<u>Expenditure</u>	<u>Revenue</u>
Anatomy,	910.22		
Biochemistry,	3,290.59		
Botany,	803.09		
Chemistry,	3,267.70		
Civil Engineering,	397.66		
Clinical Medicine,-			
Drawing,	16.95		
Dentistry,	181.32		
Electrical Engineering,	582.48		
Geology,	1,051.09		
History,	21.45		
Household Economics,	569.90		
Mathematics,	35.85		
Mechanical Engineering,	19.48		
Mining Engineering,	636.17		
Moderns,	95.50		
Physics,	3,197.24		
Physiology,	2,320.74		
Philosophy,	135.97		
Political Economy,	3.40		
Zoology,	852.91		
Pharmacy,	466.35		
	<u>18,856.06</u>		
By Revenue,	<u>950.51</u>	17,905.55	
	<u>Travelling Expenses</u>		
Board of Governors,	295.90		
President,	134.35		
Senate,	116.40		
Exchange Professors,	102.15		
General,	<u>829.20</u>	1,478.00	
	<u>Insurance</u>		
Unexpired Dec.31st,1923,	9,810.25		
Premium paid,	<u>3,483.74</u>		
	<u>13,293.99</u>		
Less unexpired,	<u>6,494.88</u>	6,799.11	
	<u>Bank Interest and Discount</u>		
Bank Interest,	2,685.69		
By Transfer, interest on deposit account,	<u>2,269.09</u>	416.60	

SUMMARY

December 31st, 1924.

Expenditure Revenue

Laboratories

910.25	Anatomy,
3,390.59	Biochemistry,
803.09	Botany,
3,287.70	Chemistry,
397.66	Civil Engineering,
	Clinical Medicine,
16.95	Drawing,
181.82	Dentistry,
582.48	Electrical Engineering,
1,051.09	Geology,
21.45	Histology,
589.90	Household Economics,
35.85	Mathematics,
19.48	Mechanical Engineering,
636.17	Mining Engineering,
95.50	Moderns,
3,197.34	Physics,
2,320.74	Physiology,
135.97	Philosophy,
3.40	Political Economy,
852.91	Zoology,
466.38	Pharmacy,
18,836.66	

17,903.55

950.51

By Revenue,

Travelling Expenses

295.90	Board of Governors,
134.35	President,
116.40	Senate,
108.15	Exchange Professors,
829.20	General,

1,478.00

Insurance

9,810.25	Unexpired Dec 31st, 1923,
3,483.74	Premium paid,
13,293.99	
6,494.62	Less unexpired,

6,799.11

Bank Interest and Discount

2,686.69	Bank Interest,
2,289.09	By Transfer, interest on
	deposit account,

416.80

S U M M A R Y

December 31st, 1924.

Upkeep of Motors

		Exp.	Rev.
Gasoline and Oil,	414.88		
Repairs, Licenses,	<u>769.65</u>	1,184.53	

Scholarships and Medals

Association of Professional Engineers,	75.00		
Students' Loan Fund,	200.00		
Chief Justice Medal,	35.00		
Women's University Club,	110.00		
University Matriculation,	50.00		
Canadian Institute of Mining,	25.00		
Wells prize,	50.00		
Stutchbury prize,	25.00		
Dr. Rutherford,	35.00		
Le Club La Verendrye,	35.00		
James Ramsey,	35.00		
Alberta Pharmaceutical,	<u>70.00</u>	745.00	

By Revenue.

Hon. Chief Justice Harvey,	35.00		
Women's University Club,	110.00		
Canadian Institute of Mining	25.00		
Wells prize,	50.00		
Le Club La Verendrye,	35.00		
James Ramsey,	35.00		
Sundry,	<u>100.00</u>	<u>490.00</u>	255.00

Contingencies

Postage,	725.61		
Telegrams,	187.82		
Telephones,	1,681.70		
Printing and Stationery,	2,936.74		
Meals,	178.40		
Salaries, Summer School,	2,125.00		
Upkeep of Typewriters & Adding machine,	478.39		
Sundries,	<u>692.86</u>	9,006.52	

BUDGET

December 31st, 1924.

Exp.	Rev.
Gasoline and Oil,	414.88
Repairs, Licenses,	769.65
	<u>1,184.53</u>

Scholarships and Medals

Association of Professional Engineers,	75.00
Students' Loan Fund,	200.00
Chief Justice Medal,	35.00
Women's University Club,	110.00
University Matriculation,	50.00
Canadian Institute of Mining,	25.00
Wells prize,	50.00
Stutbury prize,	25.00
Dr. Hetherford,	25.00
Le Club La Verendrye,	25.00
James Ramsey,	25.00
Alberta Pharmaceutical,	70.00
	<u>745.00</u>
By Revenue.	
Hon. Chief Justice Harvey,	35.00
Women's University Club,	110.00
Canadian Institute of Mining,	25.00
Wells prize,	50.00
Le Club La Verendrye,	25.00
James Ramsey,	25.00
Sundry,	100.00
	<u>490.00</u>
	255.00

Contingencies

Postage,	725.61
Telegrams,	187.82
Telephones,	1,681.70
Printing and Stationery,	2,936.74
Meals,	178.40
Salaries, Summer School,	2,125.00
Upkeep of Typewriters &	
Adding machine,	478.59
	<u>692.82</u>
Sundries,	
	9,006.82

S U M M A R Y

December 31st, 1924

Expenditure RevenueBOOKSTORE AND POST OFFICE

Manager C.A.Hosford ✓	1,500.00		
Asst. " A.G.Hosford ✓	900.00		
AssistantMiss A.Herrald ✓	720.00	3,120.00	
	<u>19,135.93</u>		
Expenses	19,480.21		
Merchandise			
	19,616.14		
Inventory Dec. 31st, 1923	17,360.73		
	<u>36,976.87</u>		
Less Inventory Dec. 31st, 1924	17,212.97	19,763.90	
		22,883.90	
By Revenue		<u>24,690.05</u>	1,806.15

PRINTING DEPARTMENT

Manager James Bill	2,400.00		
Wages	12,264.49		
Expense	292.38		
Power	272.55		
Merchandise	10,015.56		
Depreciation	1,021.45		
	<u>26,266.43</u>		
Inventory Dec. 31st, 1923	3,133.95		
	<u>29,400.38</u>		
Inventory Dec. 31st, 1924	3,633.59	25,766.79	
By Revenue		<u>30,941.24</u> ✓	5,174.45

SUMMARY

December 31st, 1924

Expenditure Revenue

BOOKSTORE AND POST OFFICE

Manager C.A. Hord	1,800.00
Asst. " A.G. Hord	900.00
Assistant Miss A. Hord	720.00
	<u>3,420.00</u>
Expenses	12,335.23
Merchandise	12,335.23
	<u>24,670.46</u>
Inventory Dec. 31st, 1923	19,816.14
	<u>14,854.32</u>
	<u>34,670.46</u>
Less Inventory Dec. 31st, 1924	19,816.14
	<u>14,854.32</u>
By Revenue	1,800.00

PRINTING DEPARTMENT

Manager James Bill	2,400.00
Wages	12,335.23
Expenses	232.35
Power	272.25
Merchandise	10,018.86
Depreciation	1,021.45
	<u>26,288.43</u>
Inventory Dec. 31st, 1923	2,133.95
	<u>24,154.48</u>
Inventory Dec. 31st, 1924	2,633.25
By Revenue	<u>20,521.23</u>

2,134.45

S U M M A R Y.

December 31, 1924.

BUILDING REPAIRS:

	Expendi ture	Revenue
Arts Building	\$1394.70	
Power Plant Building	228.30	
North Engineering Building	321.23	
South " "	359.24	
Pembina	1307.19	
Athabasca	3874.73	
Assiniboia	1929.75	
Medical	690.42	
Grounds	3012.59	
Salaries	5200.00	
Sundries	63.49	
	<u>\$18,381.64</u>	

MAIN TEACHING BUILDINGS:

Maintenance:

Wages	\$10737.70	
Supplies	1105.38	
Laundry	212.40	
Light	6218.90	
Water	2125.63	
Repairs	610.51	
	<u>\$21010.52</u>	
By Revenue (Supplies)	203.55	
	<u>\$20,806.97</u>	

PRINTING AND ADVERTISING:

Calendars	\$1750.00	
Press Bulletins	923.97	
Advertising Year Book	30.00	
Postage	250.00	
Scientific Bulletins	558.70	
	<u>\$ 3,512.67</u>	

SUMMARY

December 31, 1924.

Expenditure Revenue

BUILDING REPAIRS:

\$1334.70	Arts Building
228.30	Power Plant Building
321.25	North Engineering Building
329.24	" "
1307.19	Remains
3874.78	Athabasca
1929.75	Assiniboia
690.42	Medical
3012.59	Grounds
2200.00	Salaries
62.49	Supplies
\$18,381.64	

MAIN TEACHING BUILDINGS:

Maintenance:

\$10737.70	Wages
1108.38	Supplies
212.40	Laundry
6218.90	Light
2125.63	Water
610.51	Repairs
\$21010.52	
202.85	By Revenue (Supplies)
\$20,808.97	

PRINTING AND ADVERTISING:

\$1750.00	Calendars
928.97	Press Bulletins
30.00	Advertising Year Book
250.00	Postage
258.70	Scientific Bulletins
\$3,218.67	

S U M M A R Y

December 31, 1924

LIBRARY:

	<u>Expenditure</u>	<u>Revenue</u>
Periodicals	\$1667.32	
Postage	32.00	
Repairs	36.60	
Sundries	<u>66.67</u>	\$1,802.59

INDUSTRIAL LABORATORY:

Prov. Analyst, J.A.Kelso, M.Sc.	\$3750.00	
Lab. Assistant, A.G.Scrogge B.Sc.	1800.00	
W.A.Lang	475.00	
Supplies	591.85	
Repairs	304.40	
Janitor Service	73.80	
Ice	36.80	
Sundries	<u>165.47</u>	
	\$7197.32	
By Revenue	<u>2998.45</u>	2998.45
	\$4,198.87	

SUMMARY

December 31, 1934

LIBRARY:

Periodicals
Postage
Repairs
Supplies

\$1687.35
32.00
36.80
66.67 \$1,802.82

INDUSTRIAL LABORATORY:

Supplies
Repairs
Janitor Service
Ice
Supplies

Prov. Analyst, J.A. Kelso, M.Sc. \$3750.00
Lab. Assistant, A.G. Schroeder, B.Sc. 1800.00
W.A. Lang 475.00
251.85
304.40
73.80
36.80
155.47
\$7137.32

By Revenue

\$4,198.87

2998.45

S U M M A R Y

December 31, 1924

PROVINCIAL LABORATORY

Expenditures

Director, A.C.Rankin C.M.G.:	\$4500.00	
M.D.C.M.:D.P.H.:C.R.C.P.:M.R.C.S.:		
Prov. Serologist J.H.Ower B.A.	4500.00	
M.D.:C.M.:		
Prov. Bacteriologist R.M.Shaw	3500.00	
B.A.:M.D.:C.M.:D.P.H.:		
Assistant; H.Vango M.D.:C.M.:	2400.00	
Lecturers; Dr. M.E.Hall	500.00	
Dr. C.A.Harris	150.00	
Assistants; Miss A.Watson	1080.00	
" K Tyner	770.00	
" J McFarlane	900.00	
" G.Simpson	487.22	
" M.Long	124.19	
Clerk " A.Hewton	1500.00	
Stenographer " M Paul	1020.00	
R.R.McLean	60.00	
E.Southern	595.00	
W.W.Warren	182.90	
T.Owens	122.00	\$22,391.31

Auto Expenses	662.69	
Postage	278.80	
Ice	169.40	
Repairs	88.75	
Telephone & Telegrams	137.39	
Laundry	377.90	
Printing & Stationery	460.75	
Supplies	4627.10	
Janitor Service	859.50	
Sundries	386.23	8,048.51
		34,638.69

270439.87

388375

SUMMARY

December 31, 1934

Expenditures

PROVINCIAL LABORATORY

Director, A.C. Rankin G.M.G.:	\$4500.00
M.D.C.M.: D.P.H.: G.R.C.P.: M.R.C.S.:	4500.00
Prov. Serologist J.H. Ower B.A.	
M.D.: C.H.:	
Prov. Bacteriologist R.M. Shaw	3500.00
E.A.: M.D.: C.H.: D.P.H.:	
Assistant: H. Vango M.D.: C.M.:	2400.00
Bacteriologists: Dr. M.E. Hall	500.00
Dr. C.A. Harris	150.00
Assistants: Miss A. Watson	1080.00
" K. Tynner	770.00
" J. McTearns	200.00
" G. Simpson	487.32
" M. Long	134.19
" A. Hewton	1500.00
Stenographer " M. Paul	1020.00
R.R. McLean	80.00
E. Southern	535.00
W.W. Warren	182.90
T. Owens	182.00
	<u>\$22,391.31</u>

Auto Expenses
Postage
Ice
Repairs
Telephone & Telegrams
Laundry
Printing & Stationery
Supplies
Janitor Service
Sundries

582.69
278.80
169.40
88.75
137.39
377.90
460.75
4827.10
859.50
386.28

8,048.51

34.6

S U M M A R Y

December 31st, 1924

Expenditure RevenueTEACHER'S COURSES

✓ Director D.S. McKenzie	3,300.00	
✓ Stenographer Miss H. Edwards B.A.	1,200.00	
Printing & Stationery	173.33	
Postage	<u>62.00</u>	4,735.33

WORKS DEPARTMENT

Superintendent F.R. Hiron	2,700.00	
Electrician H. Miller	<u>2,160.00</u>	4,860.00
Light & Power	96.08	
Telephone	128.80	
Wages	16,151.88	
Merchandise	13,436.22	
Sundries	<u>282.85</u>	
	<u>30,095.83</u>	

Inventory Dec. 31st, 1923	<u>11,546.66</u>	
	<u>41,642.49</u>	

Inventory Dec. 31st, 1924	<u>9,116.38</u>	<u>32,526.11</u>
		<u>37,386.11</u>
By Revenue		<u>36,064.76</u> 1,321.35

DEBENTURE INTEREST

4 $\frac{1}{2}$ % on 2,000,000.00	45,000.00	
6 % on 100,000.00	3,000.00	
5 $\frac{1}{2}$ % on 300,000.00	8,250.00	
6 $\frac{1}{2}$ % on 450,000.00	14,625.00	
6 % on 750,000.00	<u>22,500.00</u>	
	<u>93,375.00</u>	
New York Exchange	<u>4,396.85</u>	97,771.85

INVENTORIES

Dept. of Extension Trading Acct	20,768.22	
Dining Room Provisions	1,272.17	
Bookstore	17,212.97	
Printing Dept.	3,633.59	
Works Dept.	<u>7,056.68</u>	49,945.93

December 21st, 1954

December 21st, 1954

TEACHER'S COURSES

Postage	62.00
Printing & Stationery	178.88
Stenographer Miss H. Wadsworth	1,200.00
Director D. S. McKenzie	2,800.00

88. 287. 4

WORKS DEPARTMENT

00.038,4

Inventory Dec. 31st, 1923

$$\frac{20.245, 11}{24.828, 14}$$

Inventory Dec. 31st, 1924

$$\begin{array}{r} 11,252,38 \\ 11,252,38 \\ \hline 11,252,38 \end{array}$$

By Revenue

36,054.46 1,321.32

DEBENTURE INVESTMENT

28. 177. 72

БЕЛОРУССКА

62:642, 64

SUMMARY OF ACCOUNTS RECEIVABLE.

December 31, 1924.

General	\$25,585.12
Room & Board	3,988.60
Fees General	3,652.00
" Special	703.00
	\$33,928.72

SUMMARY OF ACCOUNTS-RECEIVABLE

December 31, 1934

General	\$25,585.12
Room & Board	3,988.00
Fees General	3,988.00
" Special	705.00
	\$35,266.12

UNIVERSITY OF ALBERTA.

Accounts Receivable Trial Balance.

December 31, 1924.

Alberta College	\$ 2.25
Alderwood, Rev. H.	6.05
Alumni Association	1,004.95
Alberta Straw & Stone Products Co.	15.00
Austin, C. J.	6.50
Alberta Social Service League	112.85
Alcohol Account	594.77
Adams, A.C.L.	4.50
Alberta Butchers' Supply House	10.00
Adams, Mr.	.50
Aldridge, A.A.	39.50
Archibald, W.S.	1.00
Adams and Fitch	2.00
Ajax Coal Company	5.00
Alberta Liquor Control	305.00
Alexander, Dr.	3.86
Boyle, Dean	18.75
Burgess, C.E.	.20
Bosomworth, Rev. H.	14.65
Bart, A.L.	22.35
Brown, H.P.	15.43
Blais, I.N.	2.50
Ball, H.	-----
Brand, Dr.	20.00
Budinski, N.	109.04
Bowstead, Mr.	1.68
Briscoe, W.H.	12.80
Bellos, W.	12.00
Bate, Rev. J.	5.05
Bell, L. W.	2.00
Butcher, Mr.	6.75
Brown, M.L.	2.70
XXXXXXXXXX	XXXXXXXXXX
Brightview Lutheran Church	51.00
Bible Society	8.25
Boegormy, Mike	2.50
Barker, Stan.	19.00
Brown, Mr.	1.00
Burnet, Dr.J.H.	3.00
Bainbridge, Rev. J.	25.00
Boden, W.P.	1.25
Berger, Rev. L.O.	15.00
Brooks, Mr. S.	15.00
Beacon, J.G.	15.00
Bennett, H.W.V.	1.00
Body, Mr.	3.45
Botany Research	15.50

UNIVERSITY OF ALBERTA

Accounts Receivable Trial Balance

December 31, 1954

18.36	Betty Research
2.45	Boyd, Mr.
1.00	Bennett, H.W.V.
15.00	Benson, J.O.
15.00	Breslin, Mr. E.
15.00	Burger, Rev. H.O.
1.25	Budon, W.P.
28.00	Wainwright, Rev. J.
2.00	Burnett, Dr. J.H.
1.00	Brown, Mr.
19.00	Barker, Alan
2.50	Boyd, Mrs.
2.25	Boyle, Society
21.00	Wainwright Lutheran Church
2.70	Brown, H.I.
3.75	Barker, Mr.
2.00	Boyle, W.
6.00	Baker, Rev. J.
12.00	Baker, W.
15.00	Baker, G.H.
1.25	Bowling, Mr.
109.04	Baldwin, H.
20.00	Baker, Mr.

2.50	Baker, I.H.
15.45	Baker, H.F.
20.35	Baker, A.L.
14.45	Bosworth, Rev. H.
1.50	Brynes, O.E.
18.75	Boyle, Lem
9.85	Alexander, Dr.
300.00	Alberta Liquor Control
2.00	Ajax Coal Company
2.00	Adams and Pith
1.00	Archibald, W.B.
20.50	Albright, A.A.
20	Adams, Mr.
10.00	Alberta Butchers' Supply House
4.50	Adams, A.O.P.
200.77	Alcohol Account
112.85	Alberta Social Service League
2.50	Anstie, G.J.
12.00	Alberta Straw & Horse Products Co.
1,004.95	Alumni Association
2.00	Albright, Rev. H.
2.25	Alberta College

Accounts Receivable, Page 2.

City of Edmonton	100.80
Cameron, A.E.	2.20
Cooper, R.R.	3.34
Collip, Dr. J.B.	43.87
Calder Community League	4.30
Campbell, Prof. J.W.	4.20
Corbett, E.A.	15.18
Carrothers, A.F.	5.00
Collier, J.J.	7.50
Cromb, Rev. W.T.	103.45
Cameron, D.E.	19.38
Crux, Dr.	7.00
Cotterill, F.W.	3.00
Cox, L.C.	1.25
Clareholm Creamery	5.00
Canadian Carbonate Co.	265.00
Cain, Miss A.	10.00
Canadian Allis Chalmers	6.00
Cameron, Mr. Pat.	1.50
Canadian National Railway	64.95
Cutler, Mr. B.B.	1.80
Cooper, H.J.	3.00
Cooke, Miss	1.50
Clark, D.H.	148.88
Clark, D.	2.00
Cooke, Alex.	1.75
Currie, E.C.	.50
Class '28	6.36
Campbell, Rev. R.D.	1.00
Claxton, Rev. J.A.	.50
Claims Account	700.50
C.H.R. Claims Account	170.94
Cantlon, Rev. W.R.	15.00
110th St. Convent	1.00
Campbell, G.E.	5.05
Carpenter, W.G.	15.20
Crawford, Dr. A.M.	3.00
Dominion Government Tax Account	40.00
Drummond, L.E.	92.00
Dominion Government A.R.C.	173.04
Derochers, J.P.	34.50
Dodd, Miss	2.79
Dunn, Professor	13.00
Dewey, M.H.	.75
Day, E.W.	5.30
Dean, H.	.55
Davenport, Mr.	26.50
Department of Health	5.00
Deitchman, Rev. A.	1.00
Debating Society	88.25
Deadman, Miss	4.15
Davidge, Rev.	15.00
Dillone, Rev. W.A.	10.00
Day, Rev. D.	10.00

100.00	City of Edmonton
2.00	Camerton, A. E.
2.24	Copier, H. E.
43.87	Colip, Dr. J. E.
4.30	Calder Community League
4.20	Campbell, Frank, J. W.
12.18	Campbell, E. A.
2.00	Campbell, A. R.
7.20	Collier, J. J.
103.45	Camp, Rev. W. E.
10.23	Camerton, D. M.
7.00	Cox, Dr.
2.00	Campbell, P. W.
1.25	Cox, E. C.
2.00	Clatsop Pressery
225.00	Canadian Carbonate Co.
10.00	Cain, Miss A.
2.00	Canadian Allis Chalmers
1.20	Camerton, Mr. Nat.
44.22	Canadian National Railway
1.20	Cutler, Mr. M. E.
2.00	Copier, H. J.
1.20	Cook, Miss
123.80	Clark, D. H.
2.00	Clyde, E.
1.75	Cook, Alex.
.25	Curtis, S. G.
2.22	Claus, E.
1.00	Campbell, Rev. R. D.
.20	Clatsop, Rev. J. A.
700.50	Clatsop Account
140.24	C. H. R. Clatsop Account
12.00	Candler, Rev. W. E.
1.00	Clatsop Nat. Cemetery
2.00	Campbell, S. H.
12.20	Campbell, R. G.
2.00	Crawford, Dr. A. M.
40.00	Clatsop Government Tax Account
22.00	Crawford, J. E.
175.04	Clatsop Government A. E. C.
24.80	Crawford, J. E.
2.75	Cook, Miss
12.00	Cann, Professor
.75	Cowdy, H. R.
2.30	Coy, E. W.
.25	Cook, E.
22.50	Crawford, Mr.
2.00	Department of Health
1.00	DeLoren, Rev. A.
22.22	DeLoren Society
4.25	DeLoren, Miss
12.00	DeLoren, Rev.
10.00	Dillon, Rev. W. A.
10.00	Dy, Rev. D.

Accounts Receivable, Page 3.

Edmonton Federation of Community Leagues	\$56.05
Elsdon, Rev. J.T.	70.33
Elk Point Local U.F.A.	1.75
Eastwood Community League	5.05
Evans, A.F.	15.00
Esh, Rev. R.W.	10.00
Edgar, J.	15.00
Ferris, R.R.	50.00
French Play	72.67
Freshman Class	12.41
Fraser, A.R.	10.00
Farrell, Rev. A.C.	8.00
Fraser, S.	2.73
Folinsbee, Dr.	4.18
Fife, Miss	3.64
Forest Heights Community League	5.05
Freeman, Mr.	4.00
Men's Faculty Club	88.50
Fryer, Mr.	.31
Grisdale, Mr.	7.70
Gillies, J.	5.00
Gibson, Dr. G.M.	5.00
Gow, W.D.	5.00
Giroux, L.A.	1.00
Greenfield, Hon. H.	80.00
Gordon Ironside & Freres	10.00
Griffin, W.M.	.50
Gainers' Ltd.	128.50
Gregory, Mr.	1.00
Gardiner, Mr.	1.15
Graham, Miss	1.50
Gordon, Rev. W.	10.00
Henderson, R.	.40
Harcourt, G.	26.18
Henderson Brokerage Co.	272.90
House Committee	7.50
Hayes, Rev. A.E.	3.60
Holstoy, G.R.	11.30
Harkness, Mr.	7.42
Heath, D.C. & Co.	.58
Harris, Miss	3.50
Hermann, Rev.	39.50
Holloway & Co.	4.00
Harris, G.G.	.80
Henson, Miss	1.00
Halabisky, Mr. N.D.	3.00
Hesford, C.W.	.20
Hatfield, Rev.	50.85
Hilliker, Miss	.60
Hodgins, Mr.	43.50
Herrocks, Mr.	1.00
Hiron, Mr. F.	3.00
Henry, Miss	15.00
Hyndman, Mr.	1.50
Herrald, Miss	6.62
Hutton, W.C.	2.50

Accounts Receivable, Page 4.

Hilton, Mr.	\$ 4.50
Industrial Laboratory	245.50
Irvine, J.A.	20.00
Institute of Chartered Accountants	8.25
Imperial Bank	5.00
Jackson, R.	30.40
Jamieson, Dr. H.C.	109.32
James, E.W.	2.00
Johnson, A.C.	6.40
Jeffers, C.A.	2.00
Jones, E.	20.00
Jewitt, W.J.	1.00
Junior U.F.A.	1.00
Jackson, Miss G.	1.70
Jamieson, Mr.	1.00
Kerr, Dean	179.85
Kelso, J.A.	34.27
Kane, E.W.S.	4.70
Key, J.W.	5.00
King's Printer	1,005.90
Klovin, Mr.	2.50
Knox Sunday School	4.30
Krause, Mr.	1.35
Kenny, Dr. W.G.	2.28
Kinat, Mr.	25.00
Kenway, C.	1.64
Lehmann, Dr.	4.55
Lewis, Dr.	63.45
Law, Frank	1.94
142nd St. Community League	4.70
Law-Commerce Rugby Club	3.15
Laverie, Rev.	7.75
Lacelle, H.L.	3.25
Local Organization Committee of Br.Ass'n.	3.25
Langlands, J.A.	1.61
Little and Sons	5.00
Law, E.F.	2.50
Little, Rev. H.	1.25
Liesemer, A.	3.75
Leaver, Mr.	.20
Lovering, Rev. J.E.	5.00
Lethbridge Breweries	235.00
Lyle, Mr.	10.96
Misener, Miss G.	7.64
Moyermann, H.	9.00
Mewburn, Dr.	52.39
Mayfair Golf and Country Club	5.10
Marsh, Rev. W.C.	5.00
Martin, H.	13.50
Military Hospital	3.95
Montgomery, Miss J.F.	32.39
Medical Club	2.60
Morrison, Mr.	

2.60	Marshall, Mr.
22.32	Medical Club
3.22	Montgomery, Miss L.F.
12.50	Military Hospital
2.00	Martin, H.
2.10	Martin, Rev. W.D.
22.30	Martin's Golf and Country Club
2.00	Mowbray, Dr.
7.64	Moyman, H.
10.32	Mason, Miss G.
222.00	Lytle, Mr.
2.60	Lehigh Brothers
1.21	Lovering, Rev. J.E.
2.30	Lover, Mr.
2.72	Lipscomb, A.
1.22	Liddle, Rev. H.
2.20	Lew, E.F.
2.00	Lewis and Sons
1.61	Lankford, J.A.
2.22	Local Organization Committee of Br. Ass'n
2.22	Lancaster, H.L.
7.72	Lewis, Rev.
2.12	Law-Gunness Rugby Club
4.70	Lebanon St. Community League
1.04	Lew, Frank
22.42	Lewis, Dr.
4.22	Lohmann, Dr.
1.24	Koway, U.
22.00	Kindt, Mr.
2.22	Kenny, Dr. W.G.
1.22	Kramer, Mr.
2.22	Knox Sunday School
4.20	Kristin, Mr.
2.20	King's Printer
1,002.00	Kay, J.W.
2.00	Kane, E.W.A.
4.70	Kolas, J.A.
24.27	Kerr, Dean
172.22	Kamison, Mr.
1.00	Kramer, Miss G.
1.70	Kramer U.F.W.
1.00	Kewitt, W.J.
22.00	Jones, E.
2.00	Jockers, G.A.
2.40	Johnson, A.C.
2.00	Jones, W.W.
102.22	Johnson, Dr. H.C.
20.40	Jackson, H.
2.00	Hospital Bank
2.22	Institute of Chartered Accountants
20.00	Irvine, J.A.
242.20	Industrial Laboratory
4.20	Milton, Mr.

Accounts Receivable Page 5.

Murray, J. J.	\$100.47
Martin, H. F.	2.50
Moore, O. B.	7.49
Matheson, A. S.	115.00
Murray, S.	75
Montgomery, A.	3.00
Magrath, A. T.	2.00
Martin, C. G.	2.00
Medical Service-1923-4	22.10
Martin, W.	50
Marshall, Rev. S.	15.00
Marquette, W. E.	2.00
Maddock, E. H. Rev.	50
Miller, Miss, D.	10.75
Mahood, Dr. C. C.	55
Mining & Geol. Society	2.50
May, E. R.	1.95
Maharg, G. S.	.50
Mooney, Dr.	2.50
McCarten, G. S.	10.00
McEachern, Dr.	3.70
Macgregor, Leone	1.20
McCulloch, Mr.	5.00
McDonald R. C.	149.25
Maddougall Church	2.25
McIntyre, J. W., I. E.	8.50
McCallum, Miss	3.00
McCammon, Miss	2.75
McIntyre, J.	5.00
McAlister, Mr.	.50
MacKay, Mr.	1.35
McEuster, S. F.	.25
MacIntosh, Miss, J.	.01
McMillan, W. A.	32.20
McGibbon, Dr. S.	7.80
Maddougall, Mr.	2.00
McDonald, J.	4.10
McLeod, Dr.	2.25
McInnes, Capt.	1.00
McPherson, Rev. W. W.	24.95
McQuaker, Rev. S. F.	13.75
McLennan Public School	126.50
MacKay, Dr.	4.50
McLaggan, Rev.	1.00
Maddougall, Major	30.00
McIntosh, Rev.	15.00
Nixon, Rev. Hugh	22.20
Naylor, Rev. I. J.	2.00
North West Lumber Co.	33.50
Nelson Wm.	10.00
Pobles, Mr. Percy	20.00
Nichols, Mr.	3.20
Newman, Mrs.	.50

Accounts Receivable. Page 6.

Newton, Prof. R.	\$.65
Norwood Community L'ge.	3.30
Nixon, E.F.	.15
Nunnamaker, Rev.	10.00
Oliver Public School	.75
Ockley, Miss	1.25
Owen, M.P.	1.00
Oliver Mental Institue	8.50
Peters, F.	11.55
Patricia, Pharmacal Co.	90.19
Prov. Govt. (Mines Branch)	110.00
Pike, Rev. W.H.	51.75
Pinckston, L.W.	10.50
Philosophical Society	32.10
Prov. Govt. (Dept. of Agriculture)	298.85
Parkdale Community League	4.30
Perry, Frank	40.00
Pulos, J.	2.50
Provincial Library	8.50
Ptarnegain Lumber Co.	10.00
Pitcher, H.C.	.40
Purchase, Rev. F. E.	3.70
Pate, Rev. John	19.80
Petrie, D.A.	16.45
Patton, H.T.	1.10
Provincial Training School	10.50
Provincial Research	169.39
Puffer, S.A.	2.50
Pellust, Mr.	1.00
Provincial Mental Institute	3.00
Pike & Co.	50.00
Peck, R.K.	6.00
Peterson, Ray A.	1.00
Prestley, Rev. H.F.	2.20
Priddle, Rev. H.	42.00
Paulson, Mrs.	15.00
Pick, Mrs. Wm.	15.00
Paterson, F.W.	2.25
Provincial Normal School	99.50
Prince of Wales Armouries	10.00
Pharmacy Dept.	70.30
Poaps, Mr.	15.00
Provincial Govt. (Interest)	9375.00
Race, Mr.	.50
Ross, Mr. W.	17.25
Ramsay, James Ltd.	113.60
Robertson Church	44.65
Rowan, Prof.	22.66
Ridley, W. R.	4.80
Rice, Rev. H.G.	2.00
Rappee, John	2.50
Ross, Jas. A.	4.00
Richard, Rev. A.D.	1.50
Reed, Rev. F. W.	50.70

Accounts Receivable Page 7.

Ruddy, G. T.	\$ 4.00
Rea, J.	15.00
Royal Alex. Hospital	10.07
Royal Curling Club	.60
Roberts, H.	1.00
Ryan, W. W.	2.00
Rudin, Dr.	1.00
Revillon Wholesale Ltd.	59.40
Risdon, F. G.	1.00
Rea, J. M.	1.00
Russell, Miss	32.20
Rea, Miss E.	15.00
Richard, Miss	4.58
Rotary Club	2.00
Rand, Miss	.50
Students Dance Com.	11.96
Simmonds, Rev.	9.65
Sheldon, Dr.	.31
Students Union (General a/c)	100.35
Students (Athlete Soc.)	59.60
Students Rugby Club	38.00
Students (Dramatic Soc.)	47.28
Students (Rink a/c)	707.04
Students (Basket Ball Club)	8.00
Students (Track Club)	67.74
Sonet, Mr.	26.50
Sims, Major	27.50
Sullivan Major	10.00
Spence, F. H.	15.00
Smith, McGregor	6.00
Still, W. H.	1.00
Sivell, & Co.	5.00
Slaten, Rev. W.	53.70
Schuldt, T. W.	1.00
Siason, H. W.	5.00
Simpson, Kenneth	1.00
Studen, A.	2.50
Stansell, S. S.	30.70
Sims, T. E.	6.00
Soldiers' Civil Reestablishment	20.00
Swarg, H. W.	10.00
Simpken Marshall & Co.	.17
Staepoole Dr.	4.18
Slaten, A.	2.90
Stevenson, Mr.	17.10
Sturrock, A. D.	3.00
Scott, Mr.	7.80
Sinclair, A. McLeod	8.00
Silver Spray Brewing Co.	17.50
Storey, Miss	12.40
Stoner, Mr.	16.00
Sprengle, Donald	73.30
Shedden, Rev. Thomas	70.70
Smith, Mr.	1.00
Stone, Mr.	5.70
Steele, Mr.	1.15

Association of the National Y.

Accounts Receivable Page 8 .

Sterling Collieries	\$ 30.00
Schragg, Rev.	15.00
Senior Library	15.00
Searle, H.	.20
Smith, S.	1.00
Talbot, Miss	21.20
Tennis Club	377.41
Taxis, Square	34.65
Thompson, J.	5.60
Turner, Rev. John	4.30
Tibbetts, Mr.	7.00
Thompson, E. P.	.65
Tripp, H. H.	1.00
Taylor, Mrs. S. A.	.50
Thorpe, A.	1.00
Thorpe, Mr.	1.00
Taylor, Rev. R. C.	2.75
U. Of A. Bookstore	1523.50
Undergrad Davee	19.00
Underwood, Miss E.	1.00
Upton, Mr.	11.00
Univ. Farm help	-----
University Trustees	2269.09
Vailanvourt, A.	10.00
Vallette, Mr. A.	3.72
Van Ark Mr. W.	2.00
Van Duxee, P. R.	5.00
Vango, Dr.	4.93
Warner, H. C.	7.01
White Star Coal Co.	10.00
Westminister College	1027.10
Williamson, Dr.	10.00
Waunecita, Society	1.20
Women's University Club	14.25
Walker Mine	10.00
Westmount Community League	32.40
Watling, L. C.	8.35
Walkden, Mr.	1.00
Wilson, D.	.50
Walley, Wm.	1.00
Waite, Mr.	2.00
Wesley Methodist Church	1.70
Westmount Presbyterian S. S.	33.00
Woodsworth, J. F.	44.00
White, Mr.	1.35
Wains, Mr.	1.50
Weir, Prof. J. A.	1.46
Wees, Mr.	13.75
Walsh, Dr. R. S.	2.50
Wilson, Professor	32.25
Wiggins, Mr.	2.00
Williams, Mr. S. P.	5.00
Wallace, Mr.	5.10
Werthenback, Miss	1.50
Women's Canadian Club	2.35
Whitehorn, Mr. M. O.	15.00
Year Book	1.20

Accounts Receivable. Page 9.

Y.M.C.A.	\$.70
Yak, Dr.	14.25
Young, Mr. W.B.	15.00
Young, Dr. M.	.75
Due from Trust (British Assoc.)	<u>437.00</u>
	\$27736.25
Deduct Credits per Schedule	<u>2151.13</u>
Total	<u><u>25585.12</u></u>

Accounts Receivable. Page 9.

Y. K. C. A.	75
Y. K. B.	14.25
Young, Mr. W. B.	15.00
Young, Mr. W.	75
<u>Due from Transit (British Assoc.)</u>	<u>457.00</u>
	577.00
	512.12
<u>Total</u>	<u>577.00</u>

Deductions Credits per Schedule

University of Alberta

Accounts Receivable

Credits

December 31, 1924.

Allen, Dr.	.51
Adjustment Account	21.26
Ball, H.	4.80
Bromley, E.W.	1.50
Canadian Pacific Railway	12.00
Caution Money (Gen. Levy)	95.20
Cellip, Dr. (Carnegie Grant)	151.33
Class '27	25.00
Dennison & Collins	541.11
Dominion Department of Agriculture	10.00
Department of Extension	5.90
Gateway, The	1.92
Genereaux, A.S.	.25
Howes, E.A.	24.48
Hewton, Miss A.	1.08
Jenkins, J.W.	.50
Library Fees	457.50
Lee, C.W.	5.00
Literary Association	88.25
Mosier, Dr.	3.96
Miller, H.	12.55
McKenzie, D.S.	1.24
Macleod, H.	1.26
MacLennan, Miss I.K.	1.00
Macdougall, W.	.75
MacAllister, Jack	10.20
Nobles, Rev. H.L.	.25
Owen, Dr. J.J.	.02
Overage & Shortage a/c	50.61
Provincial Govt. Dept. of Health	11.38
" Research old a/c.	348.74
Patrick, Miss	15.65
Robb, C.A.	24.72
Student's (Sophomore Class)	1.00
Sutherland, Dr.	6.00
Shavschook, F.M.	1.00
Summer School (Gen. a/c.)	9.85
Shaw, Dr.	2.25
Smith, Prof. Stanley	6.00
Sackville, Prof.	12.25
Science Assn.	3.00
Union Farm Help	7.50
Wyatt, Dr.	74.00
Watson, T.F.	1.75
National Research Council	96.61
	<u>2151.13</u>

21.15	National Research Council
30.61	Watson, F.F.
1.75	Wyatt, Dr.
74.00	Union Farm Help
7.80	Salmon Loan
8.00	Backville, Prof.
12.25	Smith, Prof. Stanley
8.00	Shaw, Dr.
9.85	Summer School (Gen. a/c.)
1.00	Spavashook, P.M.
8.00	Sutherland, Dr.
1.00	Student's (Sophomore Class)
24.75	Robb, C.A.
18.65	Pattick, Miss
548.74	" Research of a/c.
11.55	Provincial Govt. Dept. of Health
50.61	Overage & Shortage a/c
.02	Owen, Dr. J.L.
.25	Hobbs, Rev. H.B.
10.20	Heddliff, Jack
.75	Madongali, W.
1.00	Macdonald, Miss I.K.
1.25	MacLeod, E.
1.24	MacKenzie, D.A.
12.55	Miller, H.
3.25	Mosier, Dr.
88.25	Niversity Association
61.00	Lee, O.W.
457.50	Library Fees
.50	Jenkins, J.W.
1.08	Newton, Miss A.
24.48	Hewes, E.A.
24.48	Canamark, A.S.
.25	Gatway, The
1.25	Department of Extension
6.90	Domestic Department of Extension
10.00	Domestic & College
25.00	Class '87
121.25	Collier, Dr. (Carnegie Grant)
88.25	Canton Money (Gen. Levy)
12.00	Canadian Pacific Railway
1.50	Bromley, M.W.
4.80	Bell, H.
21.25	As Payment Account
21.15	Wiley, Dr.

December 31, 1924.
 Accounts Receivable
 Credits

University of Alberta

ACCOUNTS RECEIVABLE - ROOM & BOARD.

DEBITS.

DECEMBER 31st, 1924

Adams,	G.R.	\$ 10.00
Agnew,	F.J.	1.86
Baker,	E.	43.30
Budd,	W.S.	10.00
Bryan,	W.C.	60.00
Backman,	W.S.	20.00
Bossenberry,	I.A.	12.50
Bowman,	R.F.F.	40.00
Brunton,	J.P.	1.86
Bassett,	K.W.	17.00
Becker,	Ruth	40.00
Brynildsen,	R.K.	40.00
Buren, Van	B.	12.00
Brown,	D.	40.00
Calhoun,	K.	46.00
Cooper,	R.H.	7.50
Caldwell,	B.B.	40.00
Caswell,	B.	2.70
Cutsungavich,	W.D.	40.00
Currie,	D.	80.00
Dunfield,	W.A.	20.00
Donaldson,	George	2.70
Davis,	C.E.	38.28
English,	J.	10.00
Flater,	H.F.	28.53
Genereaux,	A.G.	31.35
Greenberg,	C.	<u>24.38</u>

Forward

\$719.96

MEMBERS - 1924
ALPHABETICALLY

MEMBERS LIST, 1924

Adams, O.E.	10.00
Aiken, J.J.	1.88
Baker, E.	43.30
Bald, W.B.	10.00
Barnes, W.C.	80.00
Beaman, W.B.	20.00
Bennett, I.A.	12.50
Benson, E.F.F.	40.00
Benton, J.F.	1.88
Benson, K.W.	17.00
Bester, Ruth	40.00
Bryant, H.K.	40.00
Brown, Van B.	12.00
Brown, D.	40.00
Calhoun, K.	48.00
Cooper, A.H.	7.50
Caldwell, E.B.	40.00
Cassell, E.	8.75
Cassenger, W.D.	40.00
Carr, G.	80.00
Carr, E.A.	20.00
Donaldson, George	8.75
Davis, O.E.	28.25
Englin, J.	10.00
Foster, E.F.	68.25
Greenbank, A.G.	21.25
Greenberg, C.	24.25

ACCOUNTS RECEIVABLE - ROOM & BOARD.

DEBITS (Cont'd.)

	Forward	\$719.96
Gale,	H.L.	10.00
Glass,	L.S.	12.00
Henderson,	Ross	40.00
Houston,	H.D.	80.00
Herbert,	W.B.	80.00
Kerr,	W.A.R.	62.35
Krause,	M.E.	79.66
Kirby,	O.	10.00
Kelly,	C.J.	50.00
Kelly,	C.C.	40.00
Kindt,	L.E.	40.00
Leisemer,	E.	68.53
Law,	Frank	5.40
Lipson,	B.	1.48
Lefsrud,	Sigrud	20.00
Misener,	G.	80.00
Moss,	R.W.	101.15
Marshall,	A.B.	12.15
Morrison,	W.S.	15.00
Mueller,	W.H.	40.00
Miller,	F.	<u>28.00</u>

Forward \$1,595.68

ACCOUNTS RECEIVABLE - DEBIT & CREDIT

DEBIT (Dr.)

5719.92	Forward		
10.00	H.L.	Gale	
12.00	L.B.	Glass	
40.00	Read	Henderson	
80.00	H.D.	Horton	
50.00	W.M.	Harper	
42.25	W.A.R.	Kerr	
79.62	M.E.	Kramer	
10.00	G.	Kelly	
20.00	G.L.	Kelly	
40.00	G.O.	Kelly	
40.00	L.S.	Kind	
62.25	E.	Lehman	
8.40	Frank	Law	
1.42	H.	Lydon	
20.00	Wright	Lehman	
60.00	G.	Mason	
101.12	H.W.	Moore	
12.12	A.D.	Marshall	
12.00	W.E.	Morrison	
40.00	H.M.	Muller	
22.00	F.	Miller	
21,222.00	Forward		

ACCOUNTS RECEIVABLE - ROOM & BOARD.

DEBITS. (Cont'd.)

	Forward	\$1,595.68
Malmberg,	E.R.	18.55
Mitchell,	G.A.	40.00
Moffatt,	Jack	13.00
Muir,	K.	40.00
Mathews,	E.	80.00
McLeod,	Munroe	30.00
McEschran,	Dr. J.M.	73.00
McRae	W.C.	28.80
McArthur,	K.D.	17.10
Macaulay,	A.F.	.84
McRae,	D.	62.75
McNeill,	D.S.	47.80
McLean,	B.	8.00
MacLean,	R.R.	35.28
McNichol,	D.I.	40.00
MacDonald,	D.J.S.	40.00
McAra,	J.M.	14.00
McDougall,	F.W.	12.00
McAra,	J.B.	52.00
McDonald,	J.	138.00
Noble,	C.E.	10.00
Nixon,	M.F.	40.00
Ottewell,	G.W.	80.00
O'Brien,	J.W.	80.00
Osterland,	C.D.	15.00
O'Brien,	H.E.	19.00
Pyper,	Robert	50.00
	Forward	\$2,681.80

DEBIT (CONT'D.)

21,285.48	forward	
18.28	R.R.	Mainberg
40.00	G.A.	Mitchell
12.00	John	Mottett
40.00	X.	Walt
80.00	E.	Wattson
80.00	Wattson	Wattson
78.00	Pr. J.M.	Wattson
28.28	W.C.	Wattson
17.10	E.D.	Wattson
.84	A.V.	Wattson
62.78	B.	Wattson
47.80	D.S.	Wattson
8.00	B.	Wattson
26.28	R.H.	Wattson
40.00	D.I.	Wattson
40.00	D.S.	Wattson
14.00	J.M.	Wattson
12.00	R.W.	Wattson
22.00	J.B.	Wattson
128.00	J.	Wattson
10.00	G.H.	Wattson
40.00	R.W.	Wattson
20.00	G.V.	Wattson
20.00	J.W.	Wattson
12.00	G.D.	Wattson
18.00	H.E.	Wattson
20.00	Robert	Wattson
21,285.48	forward	

ACCOUNTS RECEIVABLE - ROOM & BOARD

DEBITS. (Cont'd.)

		Forward	\$2,681.80
Pawluk,	P.		40.00
Robb,	C.A.		34.82
Robertson,	B.H.		8.45
Robinson,	S.C.		1.00
Robertson,	H.B.		122.70
Reed,	K.R.		20.00
Roberts,	M.N.		20.00
Reeves,	A.A.		40.00
Riley,	D.W.		10.00
Russell,	W.F.		12.00
Sinclair,	A.S.		39.85
Stauffer,	M.L.		80.00
Sonet,	E.		225.00
Smith,	W.		9.50
Starrock,	M.G.		40.00
Staunton,	H.Lynch		40.00
Scully,	D.G.		27.40
Selnes,	W.R.		20.00
Scott,	J.W.		40.00
Siebert,	W.J.		10.00
Seraba,	L.H.		10.00
Stoner,	Robert		40.00
Thurston,	W.		10.00
Tanner,	B.F.		69.40
Tester,	K.B.		<u>3.00</u>
		Forward	\$3,654.92

DEBIT (Cont'd.)

Forward	\$2,681.80
Payable	40.00
Robb	24.88
Robertson	8.45
Robinson	1.00
Robertson	122.70
Reed	70.00
Roberts	20.00
Reeves	40.00
Wiley	10.00
Wassell	12.00
Wheeler	22.88
Wheeler	30.00
Wheeler	222.00
Wheeler	2.50
Wheeler	40.00
Wheeler	40.00
Wheeler	27.40
Wheeler	23.00
Wheeler	40.00
Wheeler	10.00
Wheeler	10.00
Wheeler	40.00
Wheeler	10.00
Wheeler	22.40
Wheeler	2.00
Forward	\$2,424.88

ACCOUNTS RECEIVABLE - ROOM & BOARD

DEBITS. (Cont'd.)

	Forward	\$3,654.92
Tallman,	F.F.	36.28
Vango,	D.H.	40.00
Whiteman,	D.	40.00
Walley,	M.J.	2.70
Winters,	E.F.	10.80
Williams,	W.P.	55.05
Watts,	W.P.	9.45
White,	C.E.	5.40
Weir,	V.P.	68.00
Wasson,	H.	40.00
Werthenback,	F.E.	15.00
		\$3,988.60

ACCOUNTS RECEIVABLE - ROOM & BOARD.
CREDITS

December 31, 1924.

Banks,	E.W.	\$ 12.00
Baker,	R.S.	3.00
Bratz	Henry	10.80
Borrowman,	A.	40.00
Gromartz,	W.D.	40.00
Crawford,	B.J.M.	41.35
Duff,	G.	6.00
Dowding,	S.	40.00
Pagan,	E.B.	52.00
Gray,	D.R.	12.00
Gentleman,	W.D.	39.00
Gratz,	Alice	9.05
Graham,	Ellen	12.00
Hamon,	H.A.	136.85
Horne,	Thomas	12.00
Hall,	R.B.	24.00
Hamilton,	E.G.	40.00
Johnstone,	C.	12.00
Johns,	C.K.	40.20
Joyce,	Alice	2.50
Kier,	H.	40.00
Lefsrud,	Ivan	2.70
Luoren,	H.L.	40.00
Laidlaw,	W.G.C.	1.35
Larman,	H.S.	6.75
Mallo,	B.N.	30.00

Forward 705.55

December 31, 1933.

12.00	H. H.	Banks,
3.00	H. S.	Baker,
10.80	Henry	Brake
40.00	A.	B. Brown,
40.00	V. D.	Green,
41.35	G. J. K.	Green,
8.00	G.	Dull,
40.00	B.	Dewine,
25.00	E. B.	Edgar,
12.00	D. R.	Gray,
25.00	V. D.	Gentleman,
9.00	Alice	Gratz,
12.00	Alison	Gratz,
150.80	M. A.	Hansen,
12.00	Thomas	Horne,
24.00	H. B.	Hall,
40.00	H. G.	Halliday,
12.00	C.	Johnstone,
40.00	G. E.	Johns,
2.00	Alice	Jones,
40.00	H.	Kier,
2.70	Ivan	Lester,
40.00	H. L.	Lyons,
1.35	W. G. C.	Maidlaw,
8.75	H. S.	Mann,
80.00	H. H.	Mello,

705.85

Forward

ACCOUNTS RECEIVABLE - ROOM & BOARD.
CREDITS (Cont'd.)

	Forward	\$705.55
Milne, L.M.T.		60.00
MacLean, T.K.		19.30
McGregor, M.C.		160.90
Nicholls L.H.		18.00
Ockley, B.		12.00
Owen, P.		6.00
Patton, H.S.		49.10
Pollock, J.M.		4.05
Ressenthal, R.S.		30.00
Roberts, W.L.		12.00
Russell, Fred		12.00
Staunton, F. Lynch		40.00
Simmons, Reg.		12.00
Splavic, Eric		12.00
Shullman, L.W.		40.00
Smith, C.B.		.10
Timmins, B.		6.60
Thomson, John		160.00
Thomson, R.K.		160.00
Taprell, V.		10.00
Thomson, Bessie		160.00
Williams, H.L.		12.00
Watsyk, J.		40.00
Wasson, K.		40.00
		<u>\$1,780.70</u>

Forward			
8768.85			
80.00	L.M.T.	Milne,	
19.30	T.K.	Maclean,	
100.00	M.C.	McGregor,	
18.00	L.H.	Nicholls,	
12.00	B.	Ockley,	
8.00	P.	Owen,	
49.19	H.S.	Peston,	
4.05	J.M.	Pollock,	
20.00	R.S.	Russett,	
12.00	W.L.	Roberts,	
12.00	Trud.	Russell,	
40.00	F. Lynch	Stanton,	
12.00	Red.	Stinson,	
12.00	Eric	Sylvic,	
40.00	L.W.	Shulman,	
19	G.B.	Smith,	
6.50	D.	Timmins,	
180.00	John	Thomson,	
160.00	R.K.	Thomson,	
10.00	V.	Tappell,	
160.00	Bessie	Thomson,	
12.00	H.I.	Williams,	
40.00	J.	Wetask,	
40.00	K.	Wesson,	
1780.70			

TRUST ACCOUNT.

December 31st, 1924.

Dr.	Cr.
Alcohol Account	\$ 5.86
Alberta Pharmaceutical Ass'n.	40.00
Andrews, Miss B.	15.00
Asplund, C.	30.00
Burt, Prof. A. I.	42.12
Brearley, Gage	60.00
Class 23.	130.38
Class 25	125.74
Commerce Club	42.25
Cameron, A. E.	243.31
Caution Money 1924-25	3,960.14
Cook, W. H.	159.00
Dr. Collip's Carnegie Grant	4,846.09
Caution Money 1923-24	429.86
Caution Money 1922-23	2,846.01
Can. Officers Training Corps	118.23
Charlesworth G. S.	50.00
Caution Money 1921-22	249.29
Dr. Collip's General Account	267.94
Caution Money 1920-21	595.14
De Mille, W. H.	10.00
Dodd, Miss F. E.	100.00
Dowding, S.	5.00
Davies, C. E.	35.00
Evans, Eileen	5.00
Engineering Students' Society	34.70
Ethridge, F. M.	28.33
Ewing, Stella	102.75
Faculty Club	52.92
Ferguson, Lola	10.00
French Club	1.42
Freshman Club	195.00
Field Husbandry Research	520.42
Freeman, Harry	2.50
Farnalls Miss D.	7.27
Gaetz, H. H.	136.98
Gray, D. R.	2.00
Glass, L. S.	12.00
Governors of the University of Toronto	613.10
Gratz, Alice	55.00
Hallman, Vernon	12.00
Harrison, R. W.	4.65
House Committee	60.50
House Committee (Men's)	29.00
Haw, Miss C.	15.00
Harris, Mr. G. G.	7.26
Interest Account	2,269.09

TRUST ACCOUNT.

December 31st, 1924.

<u>Dr.</u>	<u>Cr.</u>
Insulin Account	\$3,296.54
Jenkins, Hilda	25.00
Jones, A.R.	50.00
Land, O.B.	12.00
Locker Keys	423.70
Library Fees	212.50
Lipson, B.	14.95
Dr. Lehmann's Research	462.57
Mawdsley, R.W.	100.65
Malleck, J.C.	30.00
Montgomery, Miss J.	24.90
Med. Club Loan Account	40.00
Medical Service	2,144.18
Medical Service, 1922-23	312.00
Martin, W.M.	25.00
Maddonald, A.H.	4.00
McLeod, H.S.	12.00
McLellan,	10.00
McGallum, M.	12.00
McKenzie, K.	6.95
McLeod, H.J.	519.00
McMillan, F.	12.00
McCaulay, M.C.	15.00
Philosophical Society	21.77
Dembina General House Committee	38.51
Phillips, H.	50.00
Payment, R.	55.00
Rifle Club	10.00
Russell, Miss	50.00
Residence Keys	424.00
Richardson, B.W.	103.56
Sunday Service Account	74.50
Shakespeare Society	8.86
Students' Court	16.02
Students' Christian Movement (Women's)	10.27
Students' Union, 1922-23	14.00
Students' Union	4,777.50
Students' Union, 1923-24	3.50
Saddington, A.	72.10
Stunork, H.G.	1.00
Symes, W.E.	5.00
Tennis Club	25.21
Tennis Club	316.35
Tracey, Miss S.	12.00
Tory, Dr. H.M.	73.67
Thompson, R.K.	89.75
Thomas, D.H.	15.00

• *Journal of the American Academy of Child and Adolescent Psychiatry*

© 2001 Blackwell Science Ltd

TRUST ACCOUNT.

December 31st, 1924.

<u>Dr.</u>	<u>Cr.</u>
Thompson, Bessie	\$ 15.00
War Memorial Fund	1,519.46
War Memorial Fund Interest	1.25
University Hospital Outdoor Clinic	209.96
Varley, F.H.	19.54
Wilson, D.H.	12.00
Whittaker, W.C.	3.00
W.C.I.C.A.A.	200.63
Watts, W.T.	.30
Williamson, J.O.	12.00
Watts, M.	20.00
Watsyk, J.	30.00
Wilson, E.	16.00
Year Book	9.59

\$ 40.00

\$ 34,362.36

Balance

\$34,322.36

TRUST ACCOUNT

December 31st, 1954.

Dr.

Cr.

Thompson, Beattie
War Memorial Fund
War Memorial Fund Interest
University Hospital Outdoor Clinic
Voorley, P.H.
Wilson, D.H.
Whittaker, W.B.
W.O.I.C.A.A.
Wooten, W.T.
Williamson, J.C.
Watts, H.
Waters, J.
Wilson, E.
Kear Book

\$ 18.00
1,819.48
1.35
808.98
19.54
12.00
8.00
880.85
20.
12.00
20.00
20.00
18.00
9.80

\$ 40.00 \$ 24,288.35

\$24,288.35

Balance

ACCOUNTS PAYABLE

December 31, 1924.

The Literary Digest	4.85
Christian Science Publishing Co.	9.00
New York Times	3.50
The Educational Screen	4.05
General Biological Supply House	8.00
W.L.Williams	10.00
Ward's Natural Science Establishment	20.00
Spencer Lens Co.	3.74
Thos. M.Dahm	12.50
John D. Sherman Jr.	12.50
Eastman Kodak Co.	2.84
University of Chicago Press	5.67
Weston Electrical Instrument Co.	6.55
Examinations Fees	460.50
Macmillan Co. of Canada Ltd.	95.21
G.E.Stechert Co.	48.45
Empire Laboratory Supply Col	123.97
Baker & Taylor Co.	299.14
Canadian Fairbanks Morse Co. Ltd.	75.00
James Ramsey	9.93
McGraw Hill Book Co. Inc.	172.38
Empire Laboratory Supply Co. Inc.	547.95
Democrat Printing Co.	51.05
Fucuma Co. Inc.	106.70
George Tiemann & Co.	46.61
Lea & Febiger	35.08
Trans. Lux Daylight Picture Screen	176.25
Victor Animatograph Co. Inc.	50.80
Moore Cottrell Subscription Agencies	44.65
D.C.Heath & Co.	33.69
Sartorius - Werke Alj.	184.58
Baker & Taylor Co. Ltd.	77.70
Bausch & Lomb Optical Co.	38.96
The Bristol Co.	131.30
Brooklyn Thermometer Co.	62.25
D.C.Heath & Co. Ltd.	63.58
Henry Holt & Co. Ltd.	62.82
G.P.Putnam's Sons	20.45
Charles Scribners Sons	42.53
William Wood & Co.	268.52
Lewis Manufacturing Co.	172.71
Edmonton Towel Supply Co. Ltd.	42.65
Walter Ramsay Ltd.	6.00
James Morrison Brass Mfg. Co. Ltd.	24.72
Geo. S. Osachie	7.50
Don. H. Bark	164.22

ACCOUNTS PAYABLE

December 31, 1933

164.22	Geo. S. Gashie
24.72	James Morrison Brass Mfg. Co. Ltd.
6.00	Walter Ramsey Ltd.
42.65	Edmonton Towel Supply Co. Ltd.
172.71	Lewis Manufacturing Co.
268.22	William Wood & Co.
42.22	Charles Scribner's Sons
20.42	G.F. Putnam's Sons
62.82	Henry Holt & Co. Ltd.
62.22	D.C. Heath & Co. Ltd.
62.22	Brooklyn Thermometer Co.
131.30	The Bristol Co.
28.96	Bausch & Lomb Optical Co.
77.70	Baker & Taylor Co. Ltd.
184.22	Garretts - Werke A.L.
33.69	D.C. Heath & Co.
44.62	Moore Gottrell Subscription Agencies
50.80	Victor Animatograph Co. Inc.
176.22	Trans. Lux Daylight Picture Screen
22.08	Lee & Pediger
46.61	George Tiemann & Co.
106.70	Fuchs Co. Inc.
21.05	Democrat Printing Co.
247.22	Empire Laboratory Supply Co. Inc.
172.22	McGraw Hill Book Co. Inc.
9.22	James Ramsey
72.00	Canadian Fairbanks Morse Co. Ltd.
299.14	Baker & Taylor Co.
122.97	Empire Laboratory Supply Co.
48.42	G.E. Stecher Co.
92.21	Macmillan Co. of Canada Ltd.
420.50	Examinations Fees
6.22	Weston Electrical Instrument Co.
5.27	University of Chicago Press
2.84	Eastman Kodak Co.
12.50	John D. Sherman Jr.
12.50	Thos. M. Dahn
3.74	Spencer Lens Co.
20.00	Ward's Natural Science Establishment
10.00	W.L. Williams
8.00	General Biological Supply House
4.02	The Educational Screen
2.50	New York Times
9.00	Christian Science Publishing Co.
4.22	The Literary Digest

ACCOUNTS PAYABLE

John Suder	\$ 20.00
Dept. of Natural Resources	460.25
Motor Sales Ltd.	6.20
Edmonton City Dairy Ltd.	60.48
Swift Canadian Co.	50.00
J.A.Hood	18.90
Gillespie Grain Co. Ltd.	284.25
Drs. Cairns & McLeod	30.00
Edmonton Saddlery Co. Ltd.	.60
North Mill & Feed Co. Ltd.	132.00
Scott Fruit Co. Ltd.	127.51
Oxford University Press	36.62
Jas. McDonald	6.50
Edmonton Knitting Mills Ltd.	3.50
J.B.Lippencott Co.	37.96
Bookcraft Publishing Co. Ltd.	2.00
The Edmonton Bulletin	12.00
J.F.Hartz Co. Ltd.	27.20
The Hudson's Bay Co.	60.30
Hiram Walker & Sons Metal Products Ltd.	6.06
The Topley Company	84.66
Otto Harrassowitz in Leipzig	15.05
A.Archibald	28.75
P.Burns & Co. Ltd.	9.00
P.Burns & Co. Ltd.	197.90
Bakewell's Coffee Co.	53.75
Blowey Henry Co.	47.20
Central Auction Mart Ltd.	145.20
Cassidy's Ltd.	188.66
Campbell Wilson & Home Ltd.	87.69
Connaught Laboratories	70.00
Edmonton City Dairy Ltd.	682.90
Egg & Poultry Marketing Service	19.50
The French Shoe Shop	30.00
Lake of the Woods Milling Co. Ltd.	36.24
L.T.Mewburn & Co. Ltd.	585.00
Macdonalds Consolidated Ltd.	198.51
McClary Manufacturing Co.	6.26
J.J.McLaughlin Ltd.	61.05
Norwood Pharmacy	167.40
Northern Aluminum Co. Ltd.	8.16
Ideal Bakery Ltd.	171.08
Jackson Bros.	1.75
Provincial Mental Hospital	38.95
Pyramid Oil & Refining Co.	37.90
Plunkett & Savage	178.13
Simpson's Tin Shop	15.00
Singer Sewing Machine Co. Inc.	1.15
Swift Canadian Co. Ltd.	328.94
West Disinfecting Co.	10.50
Western Grocers Ltd.	420.86
Woodland Dairy Ltd.	898.04

ACCOUNTS PAYABLE

80.00	John Suter
460.25	Dept. of Natural Resources
8.20	Motor Sales Ltd.
60.48	Edmonton City Dairy Ltd.
50.00	Swift Canadian Co.
18.90	J.A. Hood
284.25	Gillespie Grain Co. Ltd.
30.00	Drs. Cairns & McLeod
60	Edmonton Saddletry Co. Ltd.
122.00	North Mill & Feed Co. Ltd.
127.51	Scott Fruit Co. Ltd.
36.62	Oxford University Press
6.50	Jas. McDonald
8.50	Edmonton Knitting Mills Ltd.
37.95	J.B. Lippincott Co.
2.00	Bookcraft Publishing Co. Ltd.
12.00	The Edmonton Bulletin
27.20	J.T. Harts Co. Ltd.
60.30	The Hudson's Bay Co.
6.06	Hiram Walker & Sons Metal Products Ltd.
84.66	The Topley Company
15.05	Otto Harassowitz in Leipzig
28.75	A. Archibald
9.00	E. Burns & Co. Ltd.
127.90	E. Burns & Co. Ltd.
22.75	Bakewell's Coffee Co.
47.20	Blowey Henry Co.
145.20	Central Auction Mart Ltd.
186.66	Cassidy's Ltd.
87.69	Campbell Wilson & Home Ltd.
70.00	Commonwealth Laboratories
682.90	Edmonton City Dairy Ltd.
19.50	Age & Fortify Marketing Service
30.00	The French Shoe Shop
36.24	Lake of the Woods Milling Co. Ltd.
585.00	L.T. Newburn & Co. Ltd.
198.51	Macdonalds Consolidated Ltd.
6.26	McClary Manufacturing Co.
61.05	J.T. McLaughlin Ltd.
127.40	Norwood Pharmacy
8.16	Northern Aluminium Co. Ltd.
171.08	Ideal Bakery Ltd.
1.75	Jackson Bros.
38.95	Provincial Mental Hospital
37.90	Pyramid Oil & Refining Co.
178.13	Plunkett & Savage
15.00	Supson's Tin Shop
1.15	Singer Sewing Machine Co. Inc.
328.94	Swift Canadian Co. Ltd.
10.50	West Distilling Co.
420.86	Western Grocers Ltd.
228.04	Woodland Dairy Ltd.

ACCOUNTS PAYABLE

Beaver Soap Co. Ltd.	\$ 106.49
Sommerville Hardware Co. Ltd.	25.25
Imperial Optical Co.	4.00
W.R.Brock Co. Ltd.	149.91
The Emery Co. Ltd.	9.00
Victor X-Ray Corporation of Canada	235.05
Fisher & Burpe Ltd.	23.69
The Stevens Companies	306.43
United Typewriter Co. Ltd.	5.50
Stanley Brock Ltd.	22.91
Revillon Wholesale Ltd.	148.59
P.Burns & Co. Ltd.	303.96
Temple Patteson Co. Ltd.	125.50
Ingram & Bell Ltd.	77.04
General Supplies Ltd.	20.90
Lewis Mfg. Co.	173.74
Campbell's Furniture Exchange Ltd.	20.00
Llenroc Holstein Farms	1900.00
Edmonton Printing & Pub. Co. Ltd.	29.50
Nichols Bros	3.25
B.H.Backus	34.80 - 20
Lakeside Coals Ltd.	239.11
James Ramsey Ltd.	4.00
Revillon Wholesale	483.28
McGavin Ltd.	254.76
O.Burns & Co. Ltd.	294.76
Egg & Poultry Marketing Service	102.26
Hepburns Ltd.	16.45
Woodland Dairy Ltd.	93.50
Macdonalds Consolidated Ltd.	504.89
P.Burns & Co. Ltd.	218.91
Virginia Park Greenhouses	24.14
Victoria Fruit Co. Ltd.	6.00
Bakewell's Coffee & Tea Co.	70.00
Brown Fruit Co. Ltd.	161.46
Mrs. James Jones	5.15
Poultry & Produce	27.00
General Supplies Ltd.	132.77
Temple Patteson Co. Ltd.	7.72
F.A.Nye Co. Ltd.	5.00
Nor-West Motors Ltd.	16.85
Office Specialty Mfg. Co Ltd.	30.60
T.H.Peacock	30.86
Ryers on Press	8.08
G.F.Stephens & NCO. Ltd.	21.26
The Stevens Companies	223.08
Alta Laundry Ltd.	39.30
Swift Canadian Co. Ltd.	378.91
Quality Tire Repair Shop	6.00
Hayward Lumber Co. Ltd.	105.00
Edmonton Drafting & Supply Co. Ltd.	70
Ashdown Hardware Co.Ltd.	7.76

ACCOUNTS PAYABLE

106.49	Beaver Soap Co. Ltd.
25.35	Sommerville Hardware Co. Ltd.
4.00	Imperial Optical Co.
149.91	W. H. Brock Co. Ltd.
9.00	The Emery Co. Ltd.
235.05	Victor X-Ray Corporation of Canada
23.69	Fisher & Lurie Ltd.
206.43	The Stevens Companies
5.50	United Typewriter Co. Ltd.
22.91	Stanley Brock Ltd.
148.59	Revillon Wholesale Ltd.
303.96	P. Burns & Co. Ltd.
125.50	Temple Patterson Co. Ltd.
77.04	Ingram & Bell Ltd.
20.90	General Supplies Ltd.
173.74	Lewis Mfg. Co.
20.00	Campbell's Furniture Exchange Ltd.
1900.00	Alanco Holstein Farms
29.50	Edmonton Printing & Pub. Co. Ltd.
3.35	Nichols Bros
34.80	B. K. Backus
239.11	Lakeside Coals Ltd.
4.00	James Ramsay Ltd.
488.28	Revillon Wholesale
254.76	McGavin Ltd.
294.76	O. Burns & Co. Ltd.
102.25	Egg & Poultry Marketing Service
16.45	Hopburn Ltd.
93.50	Woodland Dairy Ltd.
504.89	Macdonalds Consolidated Ltd.
218.91	P. Burns & Co. Ltd.
24.14	Virginia Park Greenhouses
6.00	Victoria Fruit Co. Ltd.
70.00	Bakewell's Coffee & Tea Co.
181.46	Brown Fruit Co. Ltd.
6.15	Mrs. James Jones
27.00	Poultry & Produce
132.77	General Supplies Ltd.
7.72	Temple Patterson Co. Ltd.
5.00	E. A. Nye Co. Ltd.
16.85	Nor-West Motors Ltd.
30.60	Office Specialty Mfg. Co. Ltd.
30.86	T. H. Pascoe
8.08	Tyson Press
21.26	G. T. Stephens & Co. Ltd.
233.08	The Stevens Companies
39.30	Alta Laundry Ltd.
278.21	Swift Canadian Co. Ltd.
6.00	Quality Tire Repair Shop
105.00	Hayward Lumber Co. Ltd.
70	Edmonton Drafting & Supply Co. Ltd.
7.76	Ashdown Hardware Co. Ltd.

ACCOUNTS PAYABLE

Ingram & Bell Ltd.	\$ 185.03
Canadian Linotype Ltd.	29.85
Crane Ltd.	222.80
Caldwell Linen Mills Ltd.	160.00
Carswell Co. Ltd.	19.74
Remington Typewriter Co. Ltd.	42.00
W.H.Clark & Co. Ltd.	64.80
R.H.Chappell	18.00
Canadian Liquid Air Co. Ltd.	35.34
Canadian Lubricants Ltd.	39.60
Cassidy's Ltd.	43.22
Dominion Motors Ltd.	457.00
J.M.Dent & Sons Ltd.	2.58
Clark Bros. & Co. Ltd.	66.07
Duffin & Co. Ltd.	4.62
Gorman's Ltd.	25.13
Gainers Ltd.	.65
Gunn & Co.	41.61
Dominion Motors Ltd.	27.28
Hodder & Stoughton Ltd.	1.90
Henry Holt & Co.	4.10
J.B.Lippincott Co.	9.00
Longmans, Green & Co.	26.25
Miller & Richard	36.00
John Martin Paer Co. Ltd.	401.65
Marshall-Wells Alberta Co. Ltd.	68.01
Macmillan Co. of Canada Ltd.	7.33
Barber Ellis Ltd.	158.10
Revillon Wholesale	170.92
J.J.McLaughlin Ltd.	.50
Metals Ltd.	180.85
C.P.R.Telegraph	20.50
Revillon Wholesale Ltd.	162.02
Dennison & Collins	29.10
Baker & Taylor Co.	40.67
Eimer & Amend	803.46
Central Scientific Co.	48.04
G.H.Thomas Co.	7.34
Nehling Instrument Co.	354.90
L.J.Wing Mfg. Co.	119.70
Abbe Engineering Co.	123.00
Burroughs & Co.	9.75
Arctic Ice Co.	65.05
United Typewriter Co. Ltd.	101.20
Canadian General Electric Co. Ltd.	117.81
A.H.Esch & CO. Ltd.	7.50
Edmonton City Dairy Co. Ltd.	448.63
British American Oil Co. Ltd.	28.38
Oxford University Press	27.26
Strathcona Coal & Wood Co.	22.40
Alberta Dairy Supplies Ltd.	7.35

ACCOUNTS PAYABLE

188.03	Ingram & Bell Ltd.
22.85	Canadian Linotype Ltd.
222.80	Crane Ltd.
180.00	Oldwell Linen Mills Ltd.
19.74	Carawell Co. Ltd.
42.00	Remington Typewriter Co. Ltd.
24.80	W.H. Clark & Co. Ltd.
18.00	R.H. Chappell
35.34	Canadian Midland Air Co. Ltd.
38.50	Canadian Inductants Ltd.
43.22	Cassidy's Ltd.
437.00	Dominion Motors Ltd.
2.28	J.M. Dent & Sons Ltd.
66.07	Clark Bros. & Co. Ltd.
4.62	Duffin & Co. Ltd.
22.13	Gorman's Ltd.
65	Getters Ltd.
41.61	Gunn & Co.
27.38	Dominion Motors Ltd.
1.90	Hodder & Stoughton Ltd.
4.10	Henry Holt & Co.
9.00	J.B. Hignett Co.
22.25	Tompkins, Green & Co.
22.00	Miller & Richard
401.65	John Martin Beer Co. Ltd.
68.01	Marshall-Wells Alberta Co. Ltd.
7.33	Macmillan Co. of Canada Ltd.
158.10	Barber Ellis Ltd.
170.92	Revillon Wholesale
50	J.J. McLean & Co. Ltd.
180.85	Metals Ltd.
23.50	C.F.R. Telegraph
162.02	Revillon Wholesale Ltd.
29.10	Dannison & Collins
40.67	Baker & Taylor Co.
803.46	Elmer & Amund
43.04	Central Scientific Co.
7.34	G.H. Thomas Co.
354.30	Nebling Instrument Co.
119.70	L.J. Wing Mfg. Co.
123.00	Alps Engineering Co.
9.75	Burroughs & Co.
65.02	Arctic Ice Co.
101.20	United Typewriter Co. Ltd.
117.81	Canadian General Electric Co. Ltd.
7.50	A.H. Nash & Co. Ltd.
448.63	Edmonton City Dairy Co. Ltd.
88.33	British American Oil Co. Ltd.
27.25	Oxford University Press
22.40	Strathcona Coal & Wood Co.
7.32	Alberta Dairy Supplies Ltd.

ACCOUNTS PAYABLE

Scott Fruit Co. Ltd.	\$ 151.64
Edmonton Paint & Glass Co. Ltd.	43.13
P. Burns & Co. Ltd.	198.75
Revillon Wholesale Ltd.	292.05
The Retail Druggist	4.00
American Concrete Institute	5.00
Rand McNally & Co.	1.25
G.E. Stechert & Co.	1.43
American Institute of Mining & Metallurgical Engineers)	4.00
Bausch & Lomb Optical Co.	10.62
Eastman Kodak Co.	19.80
A.T. Ferrell & Co.	3.10
General Biological Supply House	87.62
Norton Co.	1.87
World Book Co.	27.85
Victor Animatograph Co.	27.29
Wm. Wood & Co.	3.35
F.J. Burns & Co.	6.90
A.H. Esch & Co. Ltd.	2.65
E.N. Kennedy Co.	69.11
Victor Animatograph Co.	67.50
The Topley Co.	248.00
Bausch & Lomb Optical Co.	51.48
Baker & Taylor Co.	10.47
General Supplies Ltd.	3.27
Northern Hardware Co. Ltd.	2.75
City of Edmonton (Engineers Dept.)	2.75
Remington Typewriter Co. Ltd.	43.80
Snowflake Laundry Co.	359.30
Simpkin Marshall Hamilton Kent & Co.	43.65
George Gill & Son Ltd.	3.02
Royal Colonial Institute	7.52
F.E. Becker & Co.	51.39
G. Bell & Sons Ltd.	11.34
Simpkin Marshall Hamilton Kent & Co. Ltd.	116.81
Ernest Benn Ltd.	26.46
J.W. Butcher	253.11
The Times (London)	9.05
Heffer & Sons Ltd.	13.43
H.K. Lewis & Co. Ltd.	.78
Adam Hilger Ltd.	3.70
C.F. Palmer (London) Ltd.	60.88
The Times Book Club	19.83
Connaugh Laboratories	140.00
Crown Coal Co.	1167.00
P. Burns & Co. Ltd.	100.00

ACCOUNTS PAYABLE

100.00	P. Burns & Co. Ltd.
1157.00	Crown Coal Co.
140.00	Gunnagh Laboratories
19.83	The Times Book Club
60.88	C. F. Palmer (London) Ltd.
3.70	Adam Hilger Ltd.
.78	H. K. Lewis & Co. Ltd.
13.43	Heller & Sons Ltd.
9.05	The Times (London)
253.11	J. W. Butcher
26.46	Ernest Benn Ltd.
116.81	Simpkin Marshall Hamilton Kent & Co. Ltd.
11.34	G. Bell & Sons Ltd.
51.39	F. R. Becker & Co.
7.53	Royal Colonial Institute
3.03	George Gill & Son Ltd.
45.65	Simpkin Marshall Hamilton Kent & Co.
353.30	Snowflake Laundry Co.
43.80	Remington Typewriter Co. Ltd.
8.75	City of Edmonton (Engineers Dept.)
8.75	Northern Hardware Co. Ltd.
3.27	General Supplies Ltd.
10.47	Baker & Taylor Co.
51.48	Barnack & Lomb Optical Co.
248.00	The Topley Co.
67.50	Victor Animatograph Co.
69.11	E. J. Kennedy Co.
3.65	A. H. Bach & Co. Ltd.
6.90	F. J. Burns & Co.
3.35	Wm. Wood & Co.
37.23	Victor Animatograph Co.
37.85	World Book Co.
1.87	Norton Co.
87.63	General Biological Supply House
3.10	A. T. Ferrell & Co.
19.80	Eastman Kodak Co.
10.63	Barnack & Lomb Optical Co.
4.00	(Metalurgical Engineers)
1.43	American Institute of Mining &
1.25	G. E. Stecher & Co.
5.00	Hard McNally & Co.
5.00	American Concrete Institute
4.00	The Retail Druggist
232.05	Revillon Wholesale Ltd.
198.75	F. Burns & Co. Ltd.
43.13	Edmonton Paint & Glass Co. Ltd.
151.64	Scott Fruit Co. Ltd.

SCHEDULE OF BAD DEBTS.

WRITTEN OFF TO SURPLUS DECEMBER 31st, 1924.

Sydney Houlton & Co.		10.00
Law Society		10.00
To Shortages:		
November 15th, 1921	36.09	
November 26th, 1921	2.50	
December 31st, 1921	<u>10.00</u>	48.59
H.H.Down		10.00
G.T.Downs		15.00
W.J.Hogg		1.25
G.M.Hall		10.00
E.W.James		85.10
B.L.Perry		26.75
T.Clarry		15.93
F.B.Dunkley		120.00
R.C.Moore		44.00
Miss V.I.Morden		9.20
A.Manning		14.00
J.Miller		160.00
F.J.Murphy		152.00
W.McKay		40.00
Mary Nicholson		14.90
W.F.Park		173.00
A.W.Smith		40.00

\$999.72

37.9993

SCHEDULE OF INSURANCE

December 31st, 1924

<u>Property</u>	<u>Amount</u>	<u>Rate</u>	<u>Premium</u>
On the brick, stone and concrete building known as Athabasca Hall, Dining Hall, Boiler House and Kitchen, Nos.250-262, W.C.F.U.A. Plan.....	276,000.00	1.36	3,753.60
On Contents, while contained therein.....	35,000.00	1.60	560.00
On the brick, stone and concrete building known as Assiniboia Hall, Nos.200-216, W.C.F.U.A. Plan.....	143,000.00	1.09	1,558.70
On Contents, while contained therein.....	15,000.00	1.28	192.00
On the brick, stone and concrete building known as Pembina Hall, No.300, W.C.F.U.A. Plan.....	100,000.00	.60	600.00
On Contents, while contained therein.....	10,000.00	1.14	114.00
On the brick, stone and concrete building known as Arts Building, Nos.430-440, W.C.F.U.A. Plan.....	100,000.00	1.10	1,100.00
On Contents while contained therein.....	40,000.00	1.08	432.00
On the brick, stone and concrete building known as Medical Hall, situate to the south of Power House, Nos.500-513, W.C.F.U.A. Plan.....	100,000.00	1.14	1,140.00
On Contents while contained therein.....	25,000.00	1.20	300.00
On the brick, stone and concrete building known as Power House and Laboratory, including Power, and Heating Equipment, but excluding Electrical Machinery, Nos.460-5, W.C.F.U.A. Plan.....	84,400.00	2.64	2,228.16
On Electrical Machinery, while contained herein.....	28,000.00	2.38	666.40
On Contents, while contained therein.....	15,000.00	2.94	441.00
On the brick, stone and concrete building known as the South Laboratory and garage No. 450, W.C.F.U.A. Plan.....	43,000.00	2.76	1,186.80
On Contents, excluding Motor Cars in use, while contained therein.....	12,000.00	3.36	403.20
On the brick, stone and concrete building known as the North Laboratory, Nos. 400-410, W.C.F.U.A. Plan.....	43,000.00	2.52	1,083.60
On Contents, while contained therein.....	15,000.00	3.12	468.00
On the brick building known as Gas House and Greenhouse, Nos.278,279, W.C.F.U.A. Plan	3,200.00	1.84	58.88
On Machinery and Equipment, including furnaces, motors, smokestacks, engines and all other equipment, but excluding contents of greenhouse, while contained therein or thereon..	3,000.00	2.34	70.20
On the frame building known as the Carpenter, Blacksmith and Paint Shop, situate in rear of Athabasca Hall, No.244, W.C.F.U.A. Plan..	1,000.00	7.48	74.80
On Machinery and Equipment usual to a Carpenter, Blacksmith and Paint Shop, while contained therein.....	2,000.00	7.78	155.60
On stock of materials and supplies usual to Carpenter, Blacksmith and Paint Shop while contained therein.....	4,000.00	7.78	311.20
On building of Greenhouse, situate to the south West of Gas House, No.284, W.C.F.U.A. Plan	500.00	1.84	9.20
Average Rate 1.539	\$1,098,100.00		\$16,907.34

Property	Amount	Rate	Premium
the brick, stone and concrete building own as Warehouse Hall, Dining Hall, after House and Kitchen, Nos. 250-252, C.F.U.A. Plan.....	275,000.00	1.25	3,437.50
Contents, while contained therein....	35,000.00	1.50	525.00
the brick, stone and concrete building own as Assiniboia Hall, Nos. 200-212, C.F.U.A. Plan.....	145,000.00	1.05	1,522.50
Contents, while contained therein....	15,000.00	1.25	187.50
the brick, stone and concrete building own as Pumping Hall, No. 300, W.C.T.U.A.	100,000.00	.80	800.00
Contents, while contained therein....	10,000.00	1.14	114.00
the brick, stone and concrete building own as Arts Building, Nos. 430-440, C.F.U.A. Plan.....	100,000.00	1.10	1,100.00
Contents while contained therein....	40,000.00	1.08	432.00
the brick, stone and concrete building own as Medical Hall, situate to the north of Power House, Nos. 500-512, C.F.U.A. Plan.....	100,000.00	1.14	1,140.00
Contents while contained therein....	25,000.00	1.20	300.00
the brick, stone and concrete building own as Power House and Laboratory, including Power and Heating Equipment, but excluding Electrical Machinery, Nos. 450-5, C.F.U.A. Plan.....	84,400.00	2.54	2,123.16
Electrical Machinery, while contained therein.....	28,000.00	2.25	630.00
Contents, while contained therein....	15,000.00	2.24	336.00
the brick, stone and concrete building own as the South Laboratory and garage 450, W.C.T.U.A. Plan.....	42,000.00	2.75	1,155.00
Contents, excluding Motor Cars in use, is contained therein.....	12,000.00	2.25	270.00
the brick, stone and concrete building own as the North Laboratory, Nos. 400- W.C.T.U.A. Plan.....	42,000.00	2.52	1,058.40
Contents, while contained therein....	15,000.00	2.12	318.00
the brick building known as Gas House Greenhouse, Nos. 278, 279, W.C.T.U.A. Plan Machinery and Equipment, including Trusses, rafts, smokestacks, engines and all other equipment, but excluding contents of Green- house, while contained therein or thereon..	2,000.00	2.24	44.80
the frame building known as the Carpenter Blacksmith and Paint Shop, situate in rear of Athletic Hall, No. 244, W.C.T.U.A. Plan..	1,000.00	7.48	74.80
Machinery and Equipment used to a center, Blacksmith and Paint Shop, while contained therein.....	2,000.00	7.75	155.00
stock of materials and supplies used to Carpenter, Blacksmith and Paint Shop while contained therein.....	4,000.00	7.75	310.00
Building of Greenhouse, situate to the West of Gas House, No. 284, W.C.T.U.A. Plan Age Rate 1.525	500.00	1.84	92.00

SCHEDULE OF INSURANCE.

December 31, 1924.

Item No.	Property	Amount	Rate	Premium.
1.	On the frame building, known as Superintendent's dwelling	\$2,500.00	1.50	\$ 37.50
2.	On the frame building including Silos attached thereto, known as Animal Husbandry Barn	20,000.00	1.50	300.00
3.	On the frame building, known as the Field Husbandry Barn	7,000.00	1.50	105.00
4.	On the frame building, known as the Dairy Building	1,000.00	1.50	15.00
5.	On the frame building, known as the New Horse Barn	12,000.00	1.50	180.00
6.	On the frame building, known as the New Sheep Barn	5,000.00	1.50	75.00
7.	On the frame building, known as the New Swine Barn	7,000.00	1.50	105.00
8.	On Grade Livestock (excluding any animals specifically insured) not more than \$200 on any one horse, \$200 on any one horned cattle, or \$100 on any other animal recoverable in event of loss, but in no case to exceed 75% of its actual cash value	5,000.00	1.25	62.50
9.	On Registered Livestock (excluding any animals specifically insured) not more than \$1,000 on any one horse, \$1,000 on any one horned cattle, or \$200 on any other animal recoverable in event of loss, but in no case to exceed 75% of its actual cash value	15,000.00	1.25	187.50
10.	On feed of all kinds, while contained in Animal Husbandry Barn	1,000.00	1.25	12.50
11.	On Farm and Stable tools, utensils and equipment, while contained in above described Animal Husbandry Barn. Not more than 75% of the actual cash value will be recoverable on any one article in the event of loss.	1,000.00	1.25	12.50
12.	On Agricultural Implements and Equipment of all kinds, while contained in above described Field Husbandry Barn. Not more than 75% of the actual cash value will be recoverable on any one article in the event of loss	3,000.00	1.25	37.50
Average Rate: 1.4215		\$79,500.00		\$1,130.00

SCHEDULE OF INSURANCE

December 31, 1924.

Property	Amount	Rate	Premium
On the frame building, known as Superintendent's dwelling	\$2,500.00	1.50	\$ 37.50
On the frame building including sties attached thereto, known as Animal Husbandry Barn	20,000.00	1.50	300.00
On the frame building, known as the Field Husbandry Barn	7,000.00	1.50	105.00
On the frame building, known as the Dairy Building	1,000.00	1.50	15.00
On the frame building, known as the New Horse Barn	12,000.00	1.50	180.00
On the frame building, known as the New Sheep Barn	5,000.00	1.50	75.00
On the frame building, known as the New Swine Barn	7,000.00	1.50	105.00
On Grade Livestock (excluding any animals specifically insured) not more than \$200 on any one horse, \$200 on any one horned cattle, or \$100 on any other animal recoverable in event of loss, but in no case to exceed 75% of its actual cash value	5,000.00	1.25	62.50
On Registered Livestock (excluding any animals specifically insured) not more than \$1,000 on any one horse, \$1,000 on any one horned cattle, or \$200 on any other animal recoverable in event of loss, but in no case to exceed 75% of its actual cash value	15,000.00	1.25	187.50
On feed of all kinds, while contained in Animal Husbandry Barn	1,000.00	1.25	12.50
On Farm and Stable tools, utensils and equipment, while contained in above described Animal Husbandry Barn. Not more than 75% of the actual cash value will be recoverable on any one article in the event of loss	1,000.00	1.25	12.50
On Agricultural Implements and Equipment of all kinds, while contained in above described Field Husbandry Barn. Not more than 75% of the actual cash value will be recoverable on any one article in the event of loss	3,000.00	1.25	37.50
Average Rate: 1.4215	\$72,500.00		\$1,130.00

SCHEDULE OF INSURANCE

December 31st. 1924

No.	Property	Amount	Rate	Premium
n	the part brick part frame building known as President's dwelling No.1.....	\$10,000.00	1.00	\$100.00
n	the frame building known as the President's Garage	900.00	1.20	10.80
n	the part brick part frame building known as dwelling No.2.....	6,000.00	1.00	60.00
n	the brick building known as dwelling No.3.....	6,000.00	.80	48.00
n	the part brick part frame building known as dwelling No.4.....	6,000.00	1.00	60.00
n	the part brick part frame building known as dwelling No.5.....	5,000.00	1.10	55.00
n	the part brick part frame building known as dwelling No.6.....	5,000.00	1.20	60.00
n	the part brick part frame building known as dwelling No.7.....	5,000.00	1.10	55.00
n	the part brick part frame building known as dwelling No.8.....	6,000.00	1.10	66.00
n	the part brick part frame building known as dwelling No.9.....	5,000.00	1.10	55.00
On	the part brick part frame building known as dwelling No.10.....	5,000.00	1.00	50.00
Average Rate: 1.0347		\$59,900.00		\$619.80

SCHEDULE OF INSURANCE

December 31st.

No.	Property	Amount	Rate	Pre
10	the part brick part frame building known as President's dwelling No. 1.....	10,000.00	1.00	\$100
10	the part brick part frame building known as the President's garage.....	900.00	1.20	10
60	the part brick part frame building known as dwelling No. 2.....	6,000.00	1.00	60
48	the part brick part frame building known as dwelling No. 3.....	6,000.00	.80	48
60	the part brick part frame building known as dwelling No. 4.....	6,000.00	1.00	60
55	the part brick part frame building known as dwelling No. 5.....	5,000.00	1.10	55
60	the part brick part frame building known as dwelling No. 6.....	5,000.00	1.20	60
55	the part brick part frame building known as dwelling No. 7.....	5,000.00	1.10	55
66	the part brick part frame building known as dwelling No. 8.....	6,000.00	1.10	66
55	the part brick part frame building known as dwelling No. 9.....	5,000.00	1.10	55
50	the part brick part frame building known as dwelling No. 10.....	5,000.00	1.00	50
Average Rate: 1.0347		\$59,900.00	1.03	\$619.

in the event of loss, the amount of loss shall be determined by the appraisers named in the policy, and if they cannot agree, then the loss shall be determined by a jury of three persons, one named by the insured, one named by the insurer, and a third named by agreement between them. The amount of loss shall be paid by the insurer within sixty days after the loss is determined.

in the event of loss, the amount of loss shall be determined by the appraisers named in the policy, and if they cannot agree, then the loss shall be determined by a jury of three persons, one named by the insured, one named by the insurer, and a third named by agreement between them. The amount of loss shall be paid by the insurer within sixty days after the loss is determined.

in the event of loss, the amount of loss shall be determined by the appraisers named in the policy, and if they cannot agree, then the loss shall be determined by a jury of three persons, one named by the insured, one named by the insurer, and a third named by agreement between them. The amount of loss shall be paid by the insurer within sixty days after the loss is determined.

UNIVERSITY OF ALBERTA.

December 31, 1924.

STUDENTS' LOAN FUND.

1923.

December 31.	Balance at Credit of Fund.	\$433.60
	Cash received in repayment of Loans	96.00
	University of Alberta Grant for 1923	200.00
	" " "	
	for 1924	200.00
	Interest on Bank Balance	26.41
	Class 1922 Grant	<u>100.00</u>
		\$1056.01
	To Loans.	<u>200.00</u>
		\$ 856.01

1924.

December 31.	Cash on hand Imperial Bank of Canada.	<u>\$ 856.01</u>
--------------	--	------------------

UNIVERSITY OF ALBERTA.

December 31, 1934

STUDENT'S LOAN FUND.

1933.

December 31.	Balance at Credit of Fund.	\$433.60
	Cash received in repayment of loans	96.00
	University of Alberta Grant for 1933	200.00
	" " " " for 1934	200.00
	Interest on Bank Balance	26.47
	Class 1932 Grant	<u>100.00</u>
	To Loans.	\$106.01
		<u>200.00</u>
		\$ 856.01

1934.

December 31.	Cash on hand Imperial Bank of Canada.	<u>\$ 856.01</u>
--------------	---------------------------------------	------------------

UNIVERSITY OF ALBERTA.

December 31, 1924.

ROCKEFELLER GRANT.

1924.

December 31.	Balance at credit of Fund.	\$500,000.00
	Represented by	
	1. Province of Alberta Bond -	\$500,000.00
	50 year - 5% -	
	Maturing February 15, 1974.	

UNIVERSITY OF ALBERTA.

December 31, 1934

ROCKWELLER GRANT.

1934.	December 31.	Balance at credit of fund.	\$500,000.00
		Represented by	
		1. Province of Alberta Bond -	\$500,000.00
		50 year - 5% -	
		Maturing February 15, 1974.	

UNIVERSITY OF ALBERTA.

December 31, 1924.

ALBERTA PHARMACEUTICAL ASSOCIATION.

1923.

December 31.	Balance at credit of Fund.	\$7420.00
	Interest on Bank Balance and Investment.	<u>431.56</u>
		\$7851.56

Represented by

1924.

December 31.	7- Debentures, Town of Vegreville, 6%. \$1000.00 each.	\$7000.00
	Cash in Imperial Bank of Canada.	<u>851.56</u>
		\$7851.56

UNIVERSITY OF ALBERTA

ALBERTA PHARMACEUTICAL ASSOCIATION

December 31, 1984

1983

December 31

Balance at credit of Fund

\$7450.00

Interest on Bank Balance
and Investment

431.56

\$7881.56

Represented by

1984

December 31

7-Depositors, Town of Vegreville,
@ \$1000.00 each

\$7000.00

Cash in Imperial Bank of Canada

851.56

\$7851.56

UNIVERSITY OF ALBERTA.

December 31, 1924.

SIR JAMES AIKEN SCHOLARSHIP FUND.

1923.

December 31.	Balance at credit of Fund.	\$2109.28
	Interest on Bank Balances and Investments.	<u>133.89</u>
		\$2243.17
	Cash paid for Scholarship.	<u>125.00</u>
		\$2118.17

1924.
December 31.

Represented by	
1- P of A Debenture @ 96.64 =	1932.80
Cash in Imperial Bank of Canada.	<u>185.37</u>
	\$2118.17

UNIVERSITY OF ALBERTA

SIR JAMES ALLEN SCHOLARSHIP FUND

1933

\$2109.28	Balance at credit of Fund.	December 31.
<u>135.89</u>	Interest on Bank Balances and Investments.	
\$2245.17		
<u>135.00</u>	Cash paid for Scholarship.	
\$2110.17		

1934
December 31.

I- P of A Debiture @ 96.64 = 1932.80

Cash in Imperial Bank of Canada. 185.37

\$2110.17

UNIVERSITY OF ALBERTA.

December 31, 1924.

WOMEN'S UNIVERSITY CLUB LOAN FUND.

1923.

December 31.	Balance at credit of Fund.	\$141.02
--------------	----------------------------	----------

1924.

By Interest and Bank Balances and Investments.	<u>52.82</u>
	\$193.84

1924.

December 31.	Cash on hand Imperial Bank of Canada.	\$193.84
--------------	--	----------

UNIVERSITY OF ALBERTA

December 31, 1934

WOMAN'S UNIVERSITY CLUB LOAN FUND

1933

December 31.

Balance at credit of Fund.

\$141.02

1934

By Interest and Bank Balances
and Investments.

\$2.83

\$138.84

1934

December 31.

Cash on hand Imperial Bank of
Canada.

\$138.84

UNIVERSITY OF ALBERTA.

December 31, 1924.

MOSTER MEMORIAL FUND.

1923.

December 31.	Balance at credit of Fund.	\$359.26	
	Interest on Bank Balances and Investment.	<u>18.18</u>	\$377.44

1924.

December 31.	Represented by		
	P. of A. Savings Certificates.	\$350.00	
	Cash in Imperial Bank of Canada.	<u>27.44</u>	\$377.44

UNIVERSITY OF ALBERTA.

MOSIER MEMORIAL FUND.

1933.

December 31.

Balance at credit of Fund.

\$359.26

Interest on Bank Balances

and Investment.

18.18

\$377.44

1934.

December 31.

Represented by

P. of A. Savings Certificates \$350.00

Cash in Imperial Bank of

Canada.

27.44

\$377.44

UNIVERSITY OF ALBERTA.

December 31, 1924.

19th ALBERTA DRAGOONS.

I.O.D.E.

1923.

December 31.	Balance at credit of Fund.	\$60.67
	Interest on Bank Balance.	<u>1.80</u>
		\$62.47

1924.

December 31.	Cash on hand Imperial Bank of Canada.	\$62.47
		<u><u> </u></u>

UNIVERSITY OF ALBERTA

1924 ALBERTA DRAGONS

I.O.D.R.

December 31, 1924.

1923.

December 31.

Balance at credit of Fund.

\$60.67

Interest on Bank Balance.

1.80

\$62.47

1924.

December 31.

Cash on hand Imperial Bank
of Canada.

\$62.47

UNIVERSITY OF ALBERTA.

December 31, 1924.

DR. BLAIS PRIZE.

1923.

December 31.	Balance at credit of Fund.	\$11.20
	Interest on Bank Balance.	<u>.31</u>
		\$11.51

1924.

December 31.	Cash on hand. Imperial Bank of Canada.	\$11.51
		<u><u> </u></u>

UNIVERSITY OF ALBERTA.

December 31, 1924.

DR. BLAIRS PRIZE.

1923.

December 31.

Balance at credit of Fund.

\$11.20

Interest on Bank Balance.

.31

\$11.51

1924.

December 31.

Cash on hand. Imperial Bank

\$11.51

of Canada.

UNIVERSITY OF ALBERTA.

December 31, 1924.

WOMEN'S UNIVERSITY CLUB SCHOLARSHIP FUND.

1923.

December 31.	Balance at credit of Fund.	\$1222.98
	By interest on Bank Balance.	<u>58.94</u>
		\$1281.92
	Cash paid for Scholarship.	<u>50.00</u>
		\$1231.92

1924.

December 31.	Cash on hand Imperial Bank of Canada.	\$231.92
	3- Dominion of Canada \$100.00 5½% gold Bonds due 1934.	
	2- Dominion of Canada \$50.00 5½% gold Bonds due 1934	
	1- Dominion of Canada \$500.00 5 % gold Bonds due 1925	
	1- Dominion of Canada \$100.00 5% gold Bond due 1925.	
		<u>\$1000.00</u>
		\$1231.92

231 92
203 38

28 54
335 1

620 5

Int 335

Bond for 150.00
June 1925

120
62

182

UNIVERSITY OF ALBERTA

December 31, 1934.

WOMEN'S UNIVERSITY CLUB SCHOLARSHIP FUND.

1933.

December 31.

Balance at credit of Fund.	\$1232.98
By interest on Bank Balance.	58.94
	<u>1291.92</u>
Cash paid for Scholarship.	50.00
	<u>\$1241.92</u>

1934.

December 31.

Cash on hand Imperial Bank of Canada.	\$231.92
1- Dominion of Canada \$100.00 Gold Bonds due 1934.	50.00
2- Dominion of Canada \$50.00 Gold Bonds due 1934.	50.00
1- Dominion of Canada \$50.00 Gold Bonds due 1935.	50.00
1- Dominion of Canada \$100.00 Gold Bonds due 1935.	100.00
	<u>\$1000.00</u>

\$1241.92

UNIVERSITY OF ALBERTA.

December 31, 1924.

WOMEN'S UNIVERSITY CLUB.

Colonial History Book Account.

1923.

December 31.	Balance at credit of Fund.	\$67.20
	Interest on Bank Balance.	<u>2.02</u>
		\$69.22

1924.

December 31.	Cash on hand Imperial Bank of Canada.	\$69.22
--------------	--	---------

OK
but 7⁵⁰

UNIVERSITY OF ALBERTA

December 31, 1924.

WOMEN'S UNIVERSITY CLUB

Colonial History Book Account.

1923.

December 31.

Balance at credit of fund.

\$67.30

Interest on Bank Balance.

2.02

\$69.32

1924.

December 31.

Cash on hand Imperial Bank of Canada.

\$69.32

UNIVERSITY OF ALBERTA.

December 31, 1924.

LAW LIBRARY FUND.

1923.

December 31.	Balance at Credit of Fund.	\$577.86
	Interest on Bank Balance.	<u>17.40</u>
		\$595.26

1924.

December 31.	Cash on hand Imperial Bank of Canada.	\$595.26
--------------	--	----------

UNIVERSITY OF ALBERTA.

December 31, 1924.

ALBERTA OPTOMETRY ASSOCIATION.

1924.

December 31.	Balance at Credit of Fund.	\$252.00
	Interest on Investment.	<u>1.20</u>
		\$253.20

Represented by

2- 5% P. of A. Bonds \$100.00
due June 1, 1939, @ 98.50 each
1- 4½% Savings Certificate, 5.00
1- 4½% Savings Certificate, 50.00

	<u>\$252.00</u>
Cash on Hand.	1.20
	<u>\$253.20</u>

UNIVERSITY OF ALBERTA.

December 31, 1934.

ALBERTA OPTOMETRY ASSOCIATION.

1934.

December 31.

Balance at Credit of Fund.

\$253.00

Interest on Investment.

1.20

\$253.20

Represented by

2- 5% P. of A. Bonds \$100.00
due June 1, 1939, @ 98.50 each

1- 4 1/2% Savings Certificate, 5.00

1- 4 1/2% Savings Certificate, 50.00

\$253.00

1.20

Cash on Hand.

\$253.20

UNIVERSITY OF ALBERTA
LIBRARY
EDMONTON

UNIVERSITY OF ALBERTA
ARCHIVES

ACCESSION No. 71-164-36
REFERENCE No.

WOMENT ROYAL BOND

MADE IN CANADA



UNIVERSITY OF ALBERTA

ARCHIVES

Accession No. 71-164-36

Reference No.